

Fig. 1

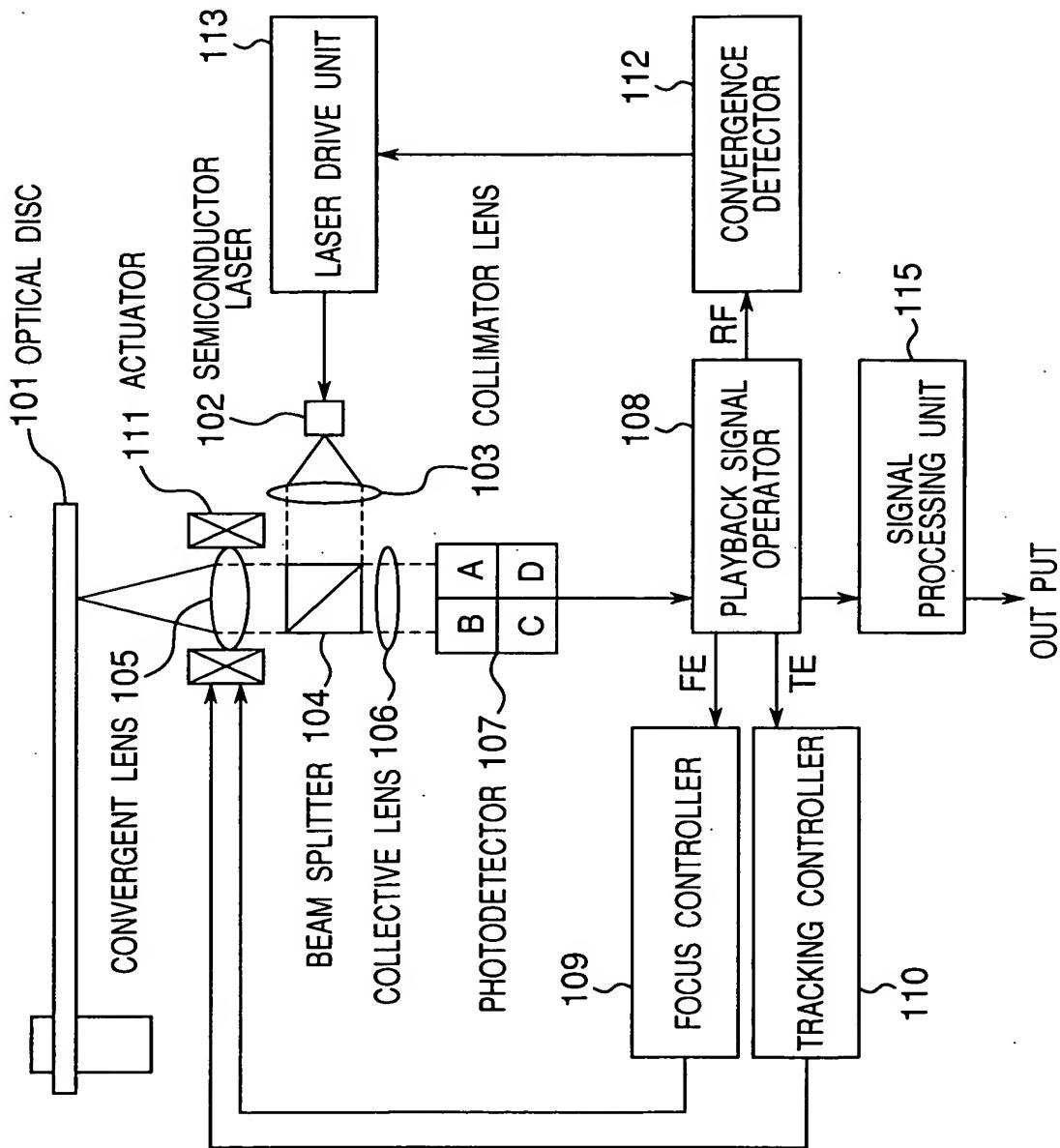


Fig.2

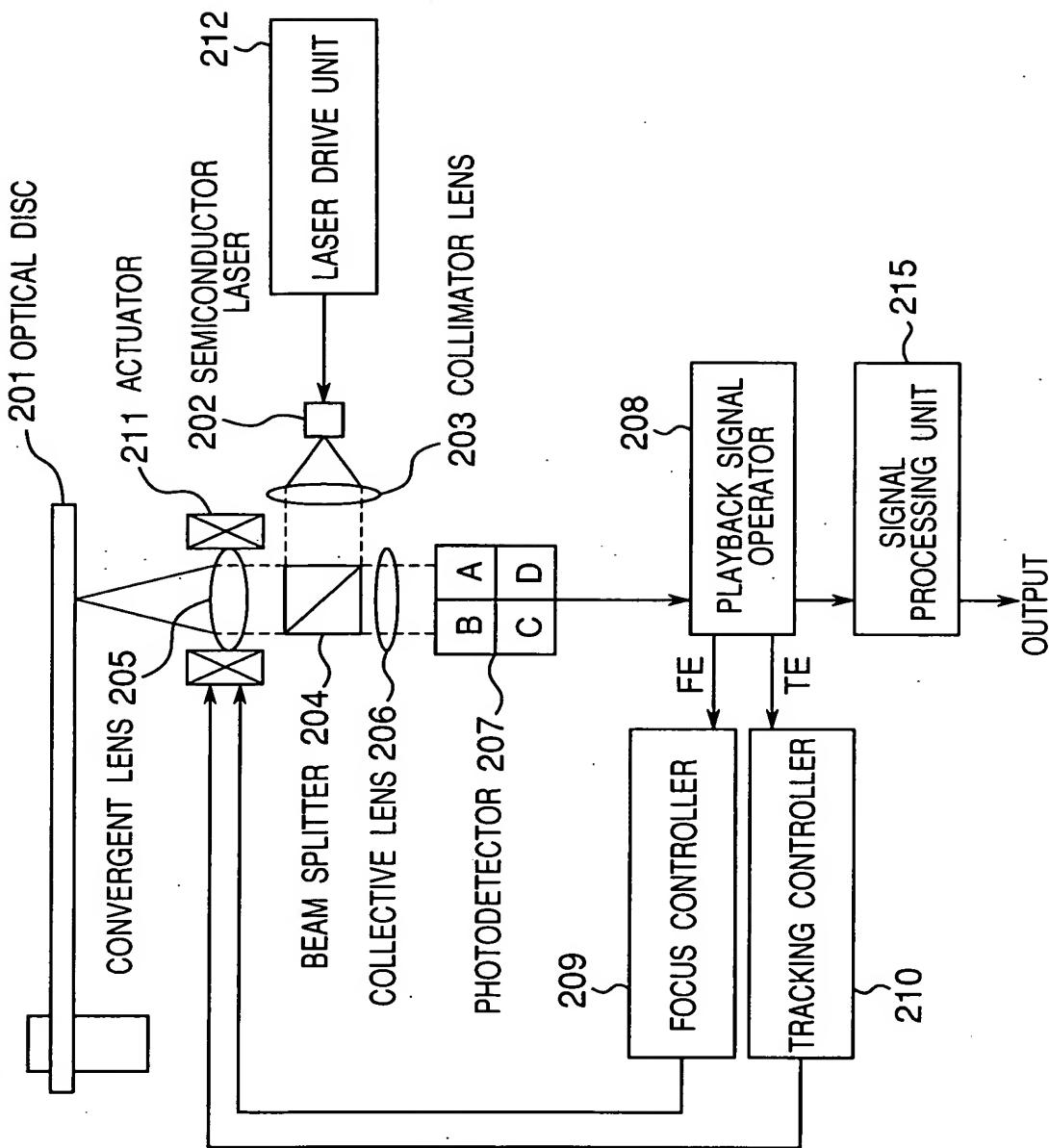


Fig. 3

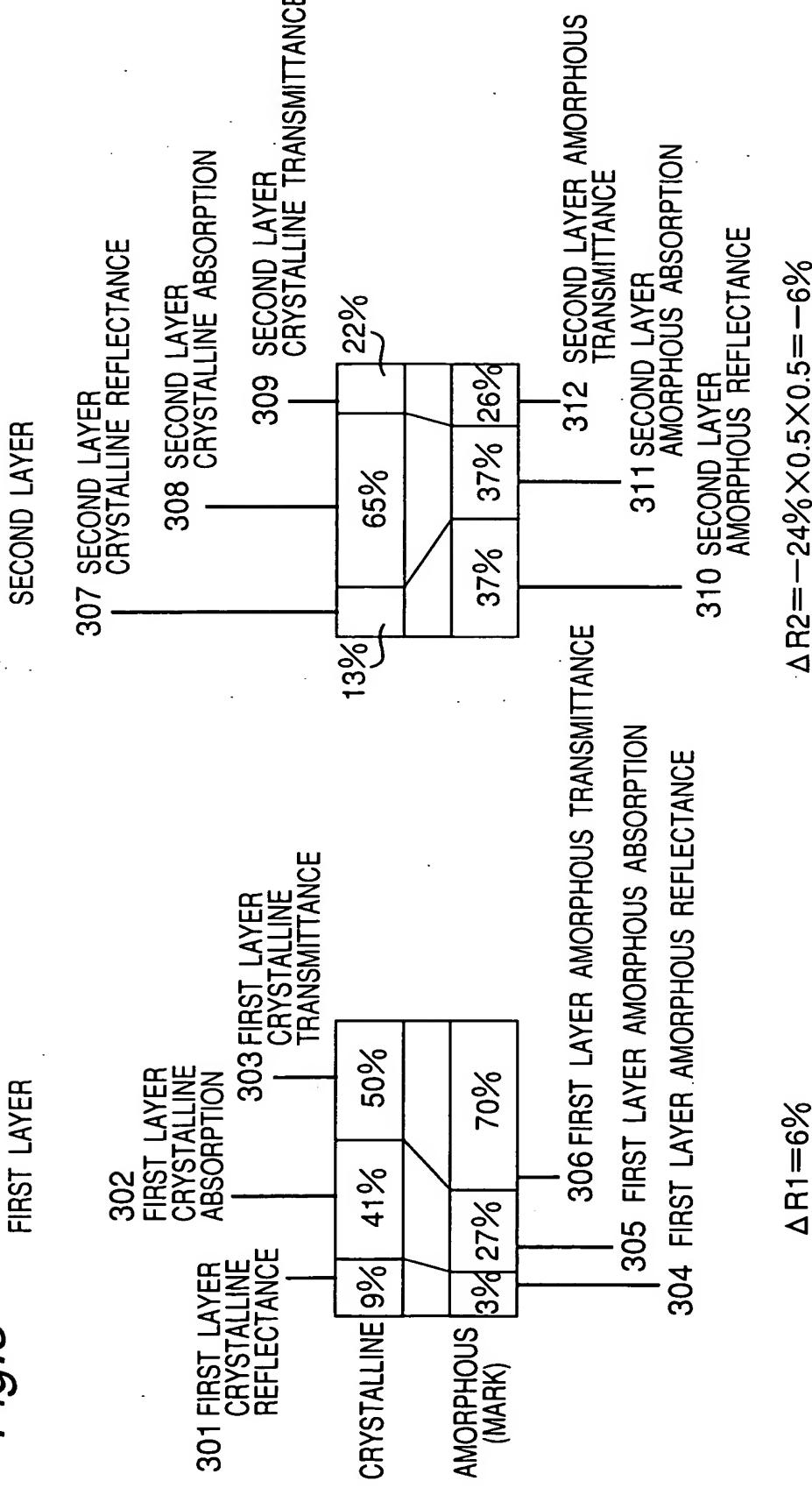


Fig.4

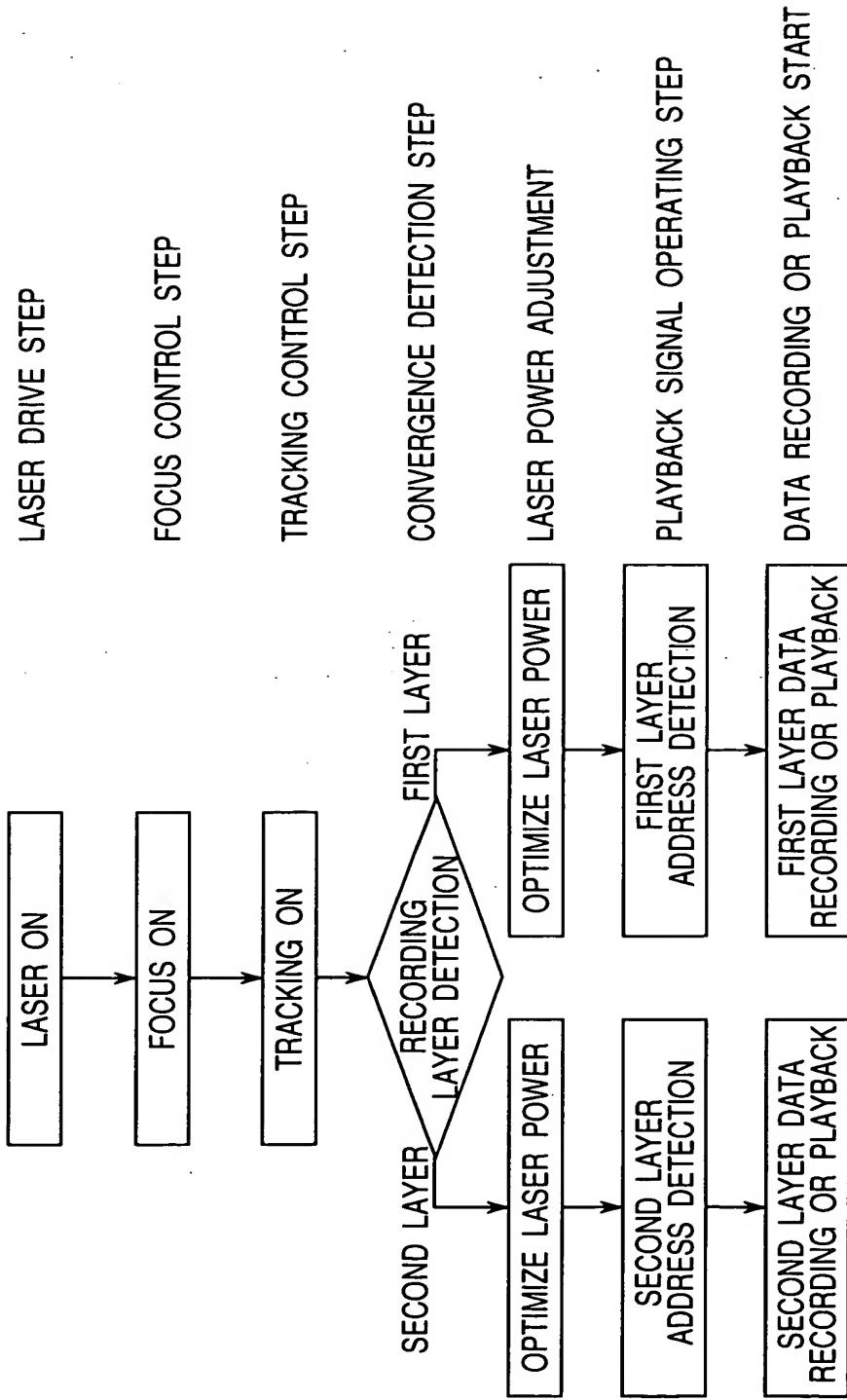


Fig. 5

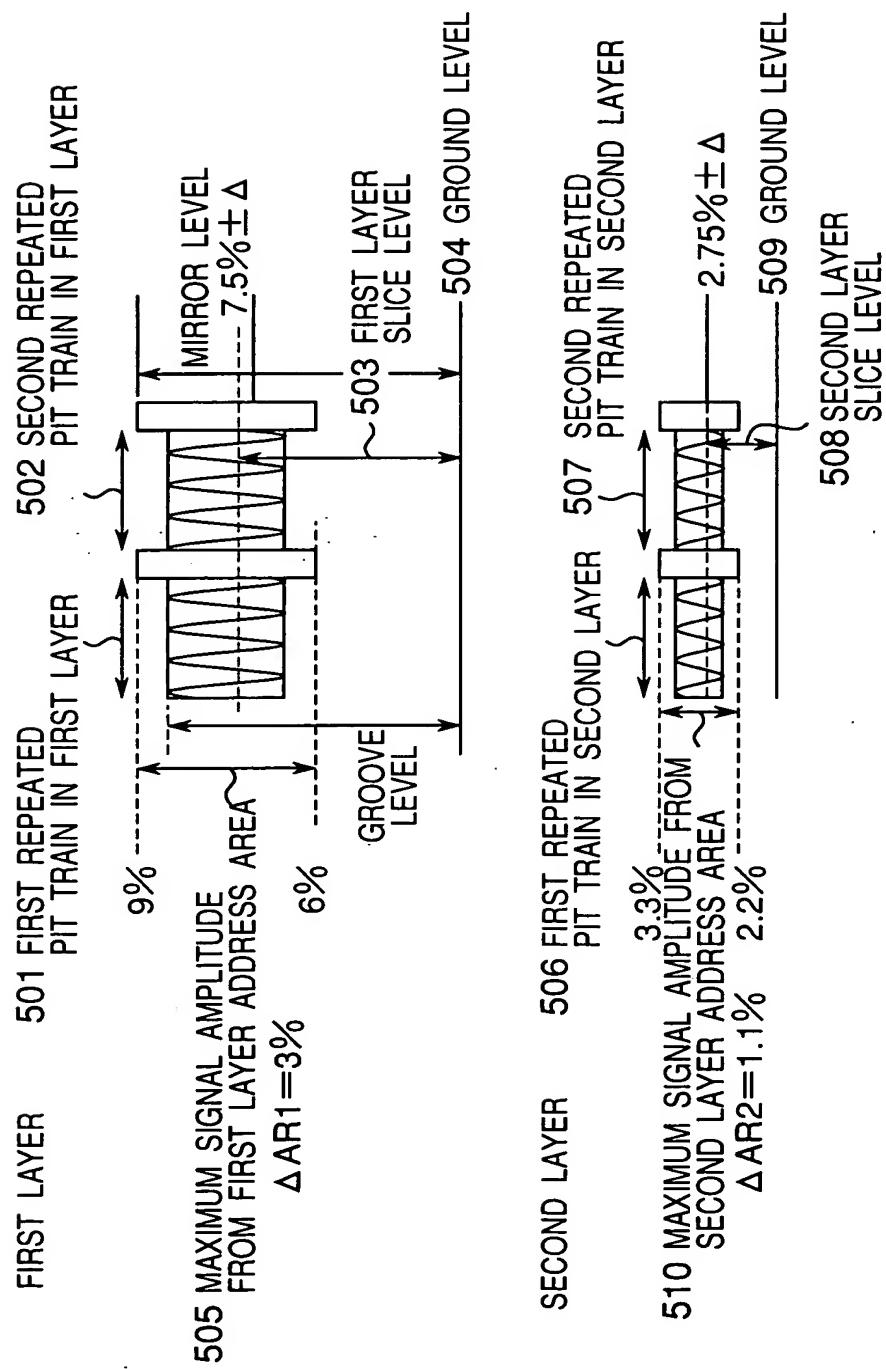
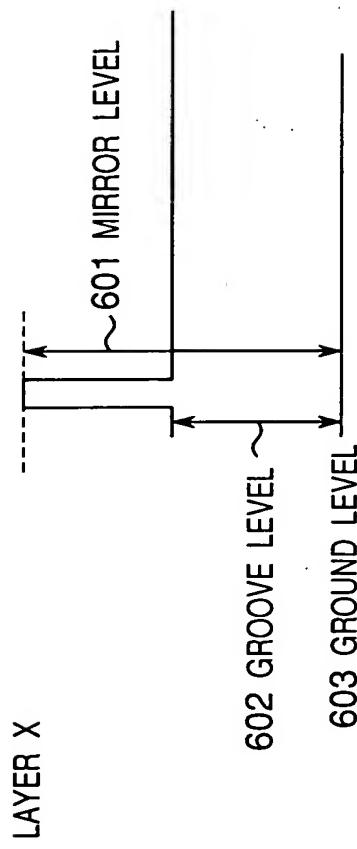


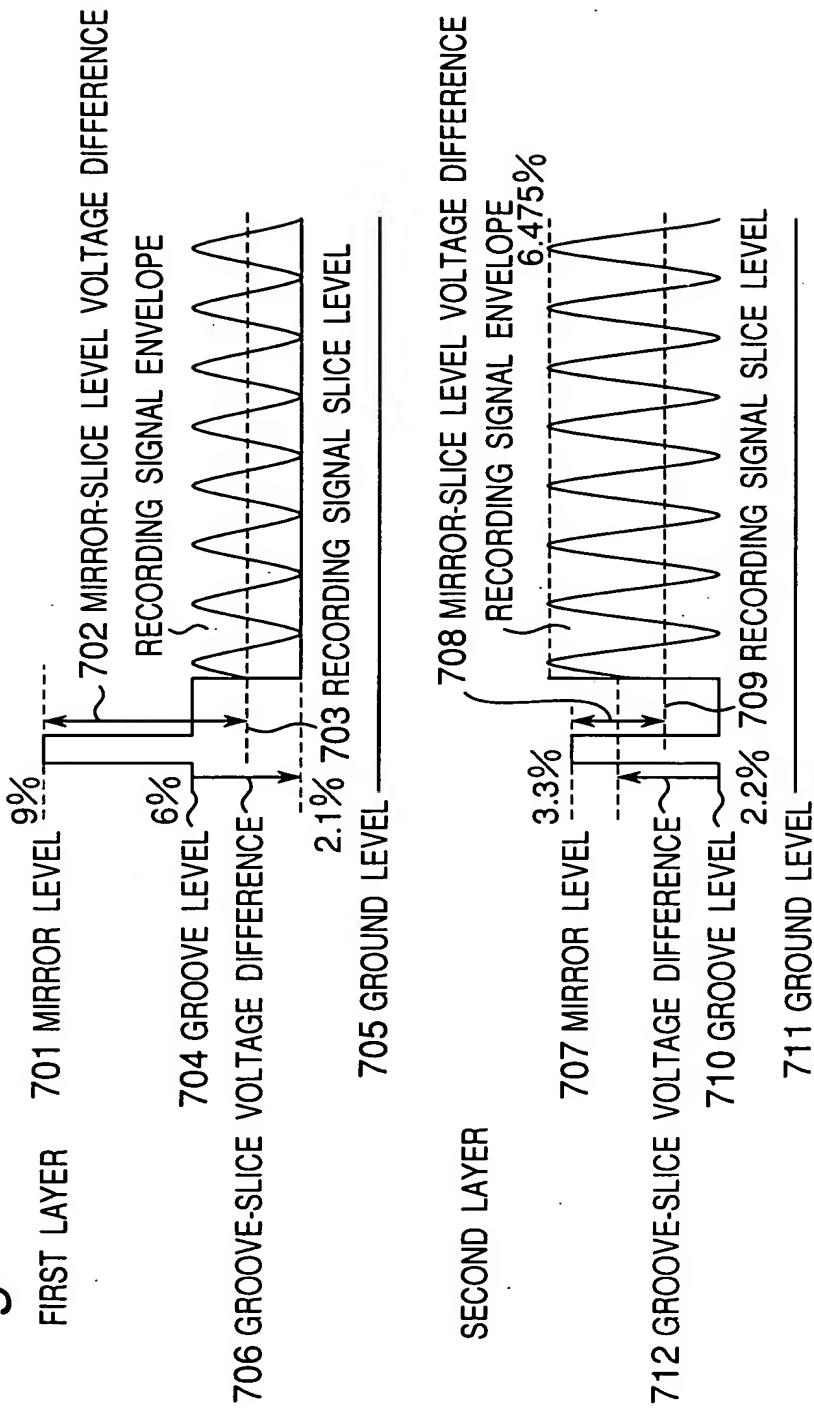
Fig.6



DETECT AS THE  
FIRST LAYER  
 $1e < 602$  GROOVE LEVEL < THRESHOLD VALUE 1f OR  
 $1g < 601$  MIRROR LEVEL < THRESHOLD VALUE 1h

DETECT AS THE  
SECOND LAYER  
 $2e < 602$  GROOVE LEVEL < THRESHOLD VALUE 2f OR  
 $2g < 601$  MIRROR LEVEL < THRESHOLD VALUE 2h

Fig. 7



DETECT AS THE THRESHOLD VALUE 1 [MIRROR-SLICE LEVEL VOLTAGE DIFFERENCE < THRESHOLD VALUE 1]  
 FIRST LAYER OR 0 < GROOVE-SLICE VOLTAGE DIFFERENCE

DETECT AS THE THRESHOLD VALUE 2 [MIRROR-SLICE LEVEL VOLTAGE DIFFERENCE < THRESHOLD VALUE 2]  
 SECOND LAYER OR 0 > GROOVE-SLICE VOLTAGE DIFFERENCE

Fig. 8A

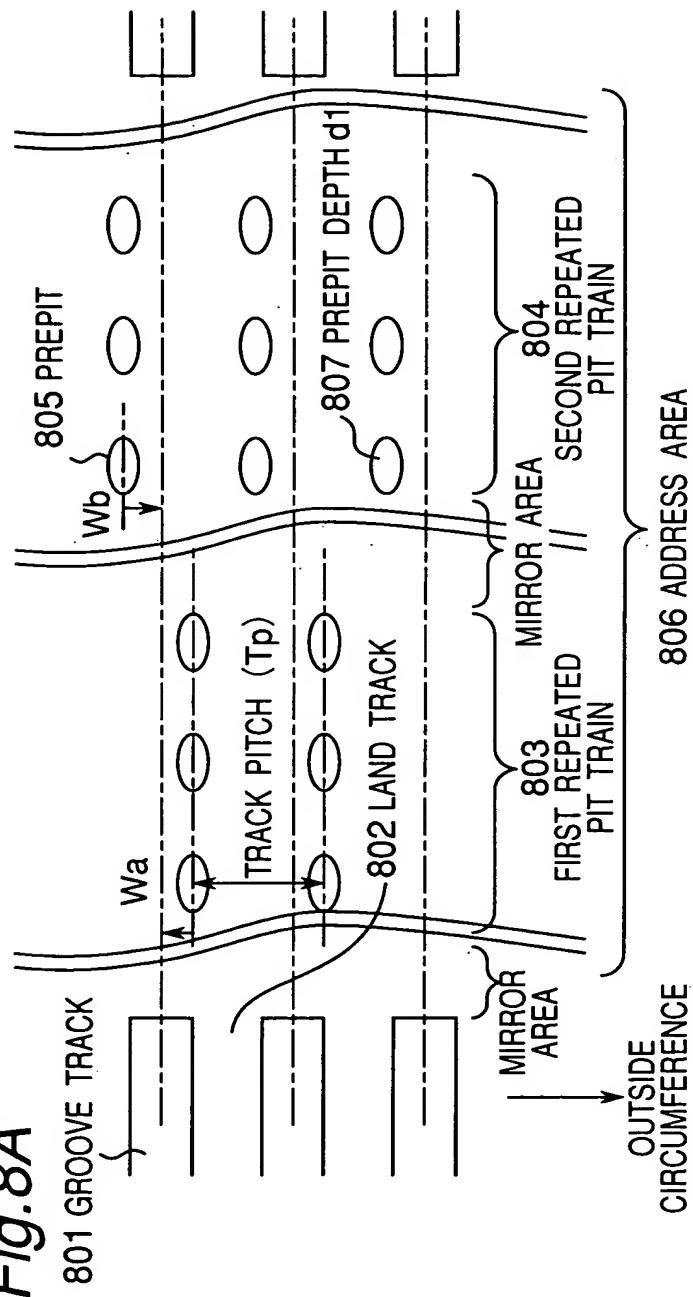


Fig. 8B

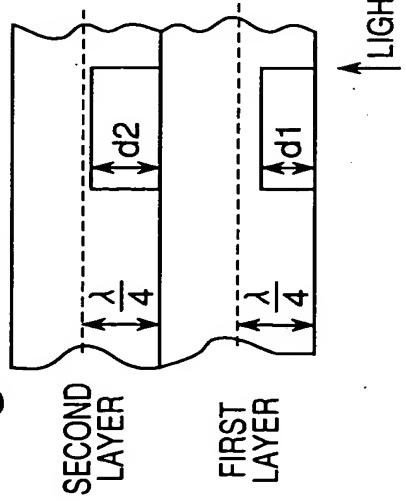


Fig. 8C

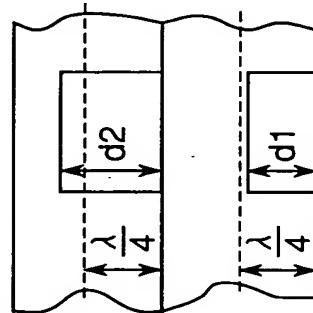


Fig. 8D

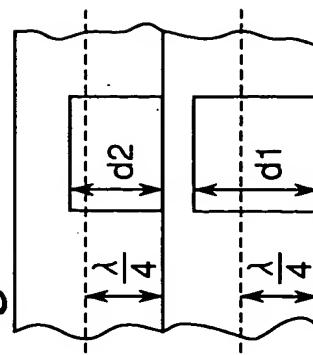
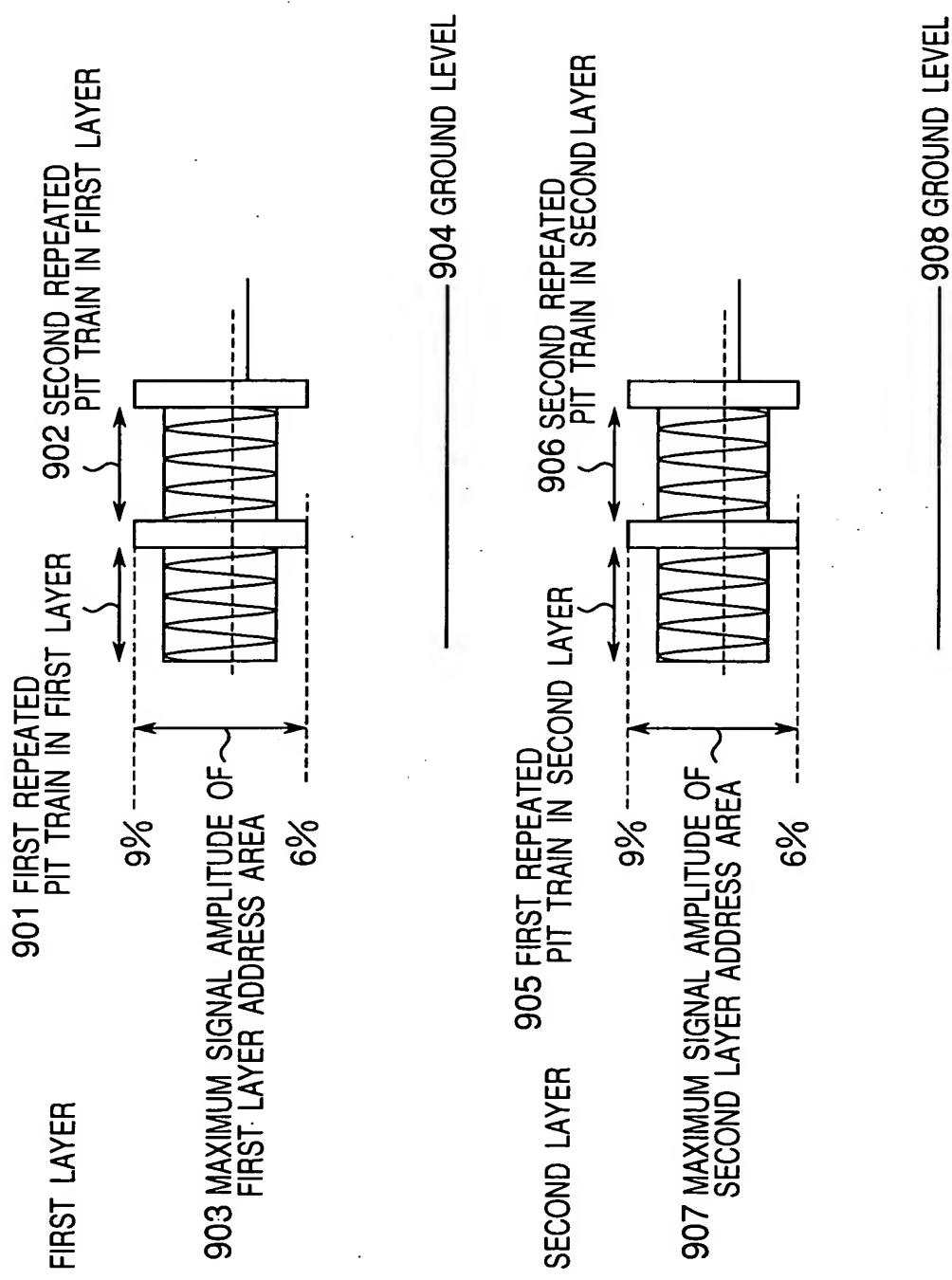
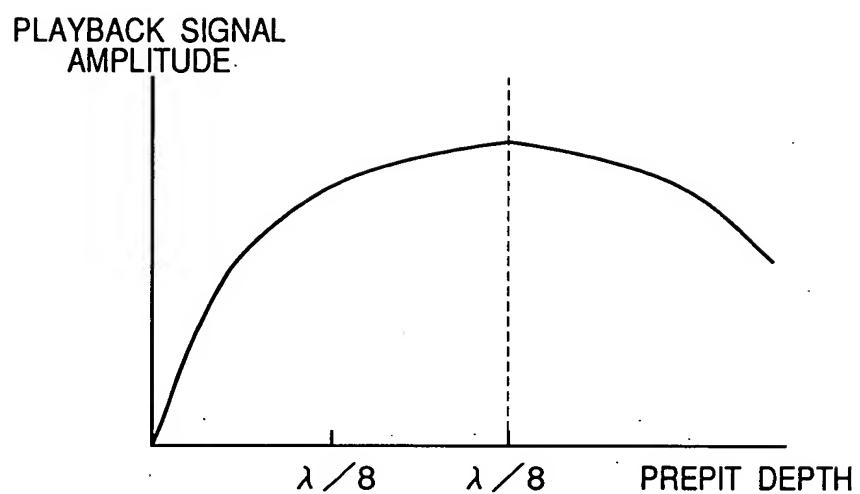
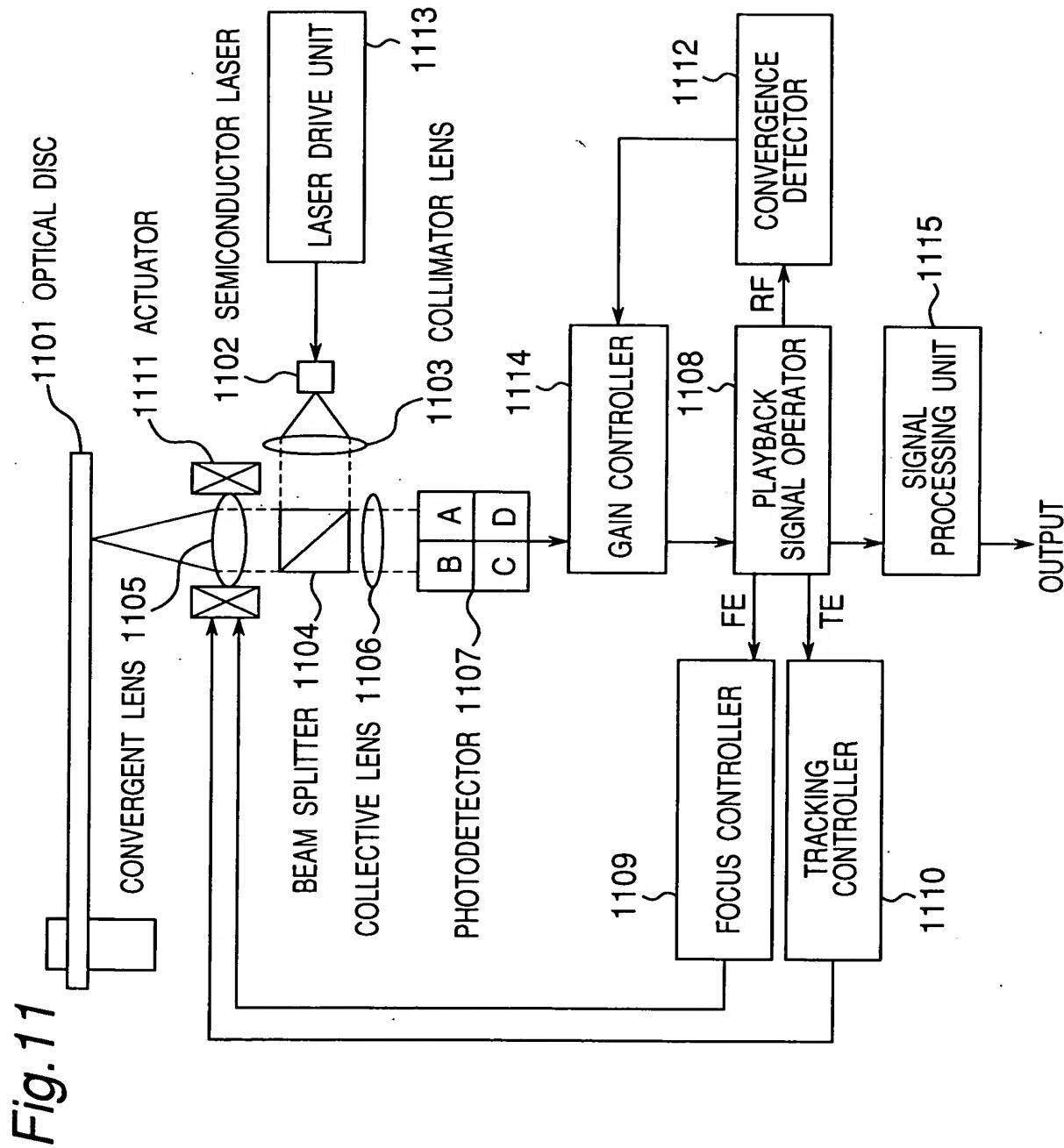


Fig. 9



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*Fig. 10*



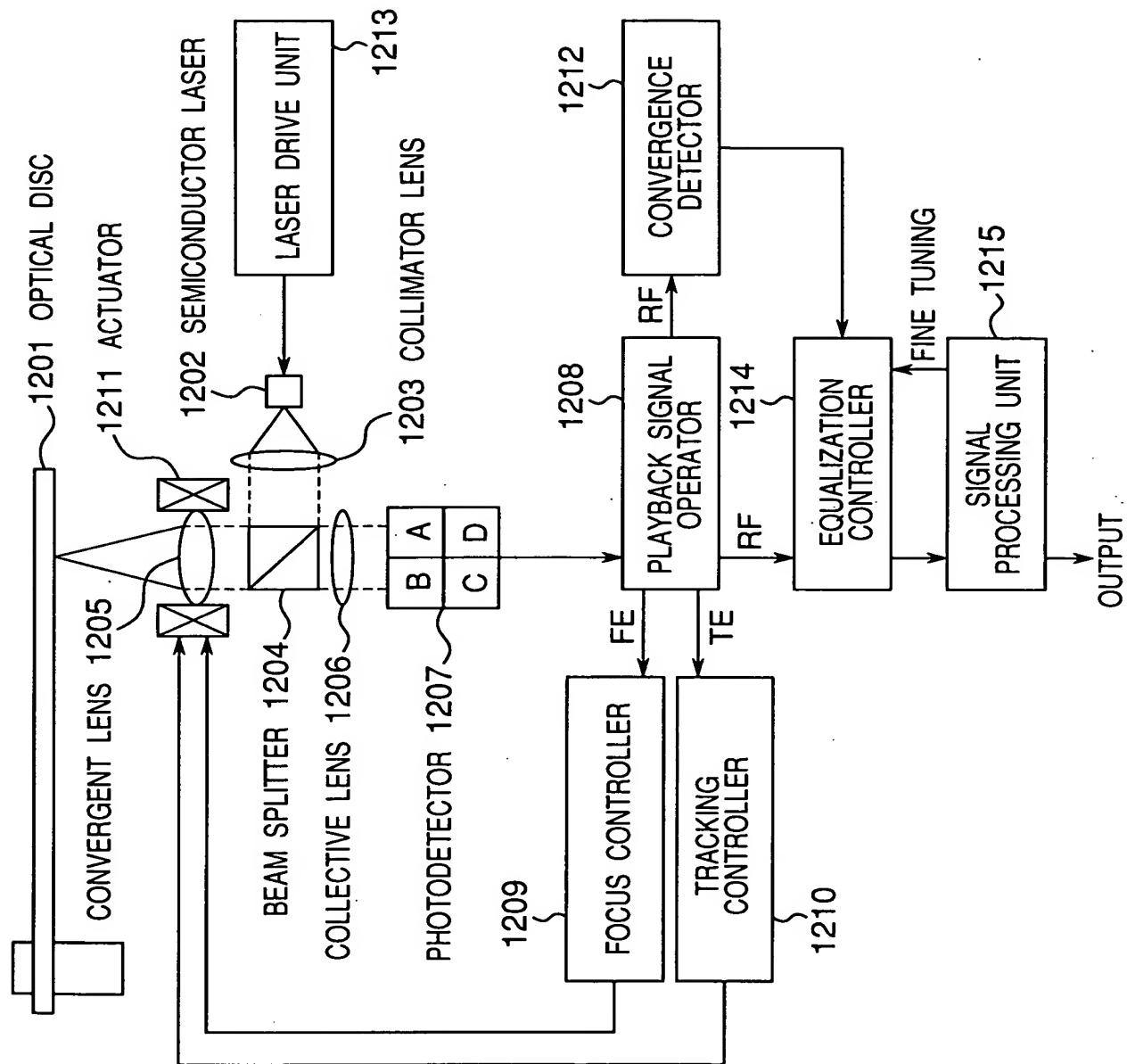
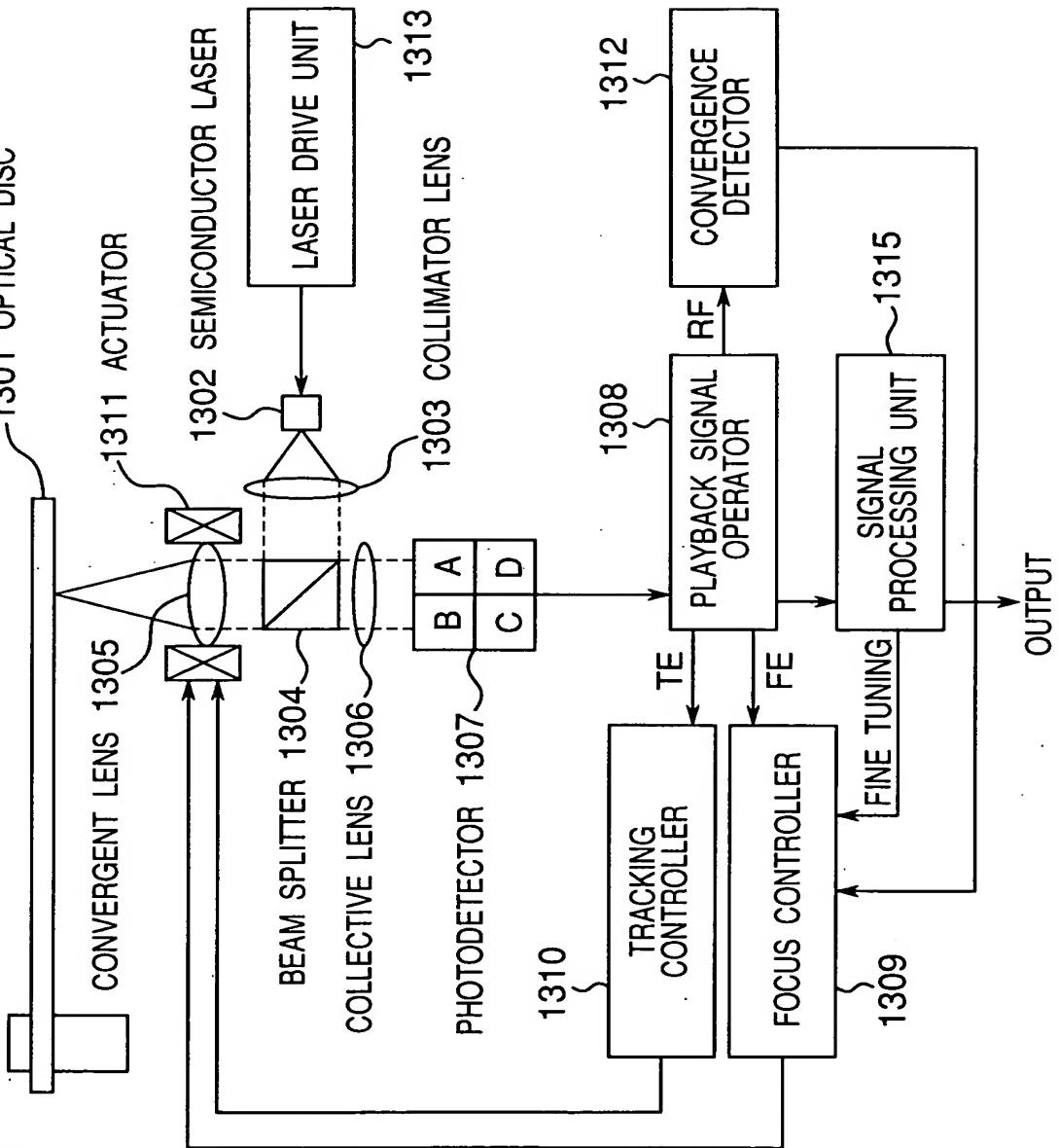


Fig. 13



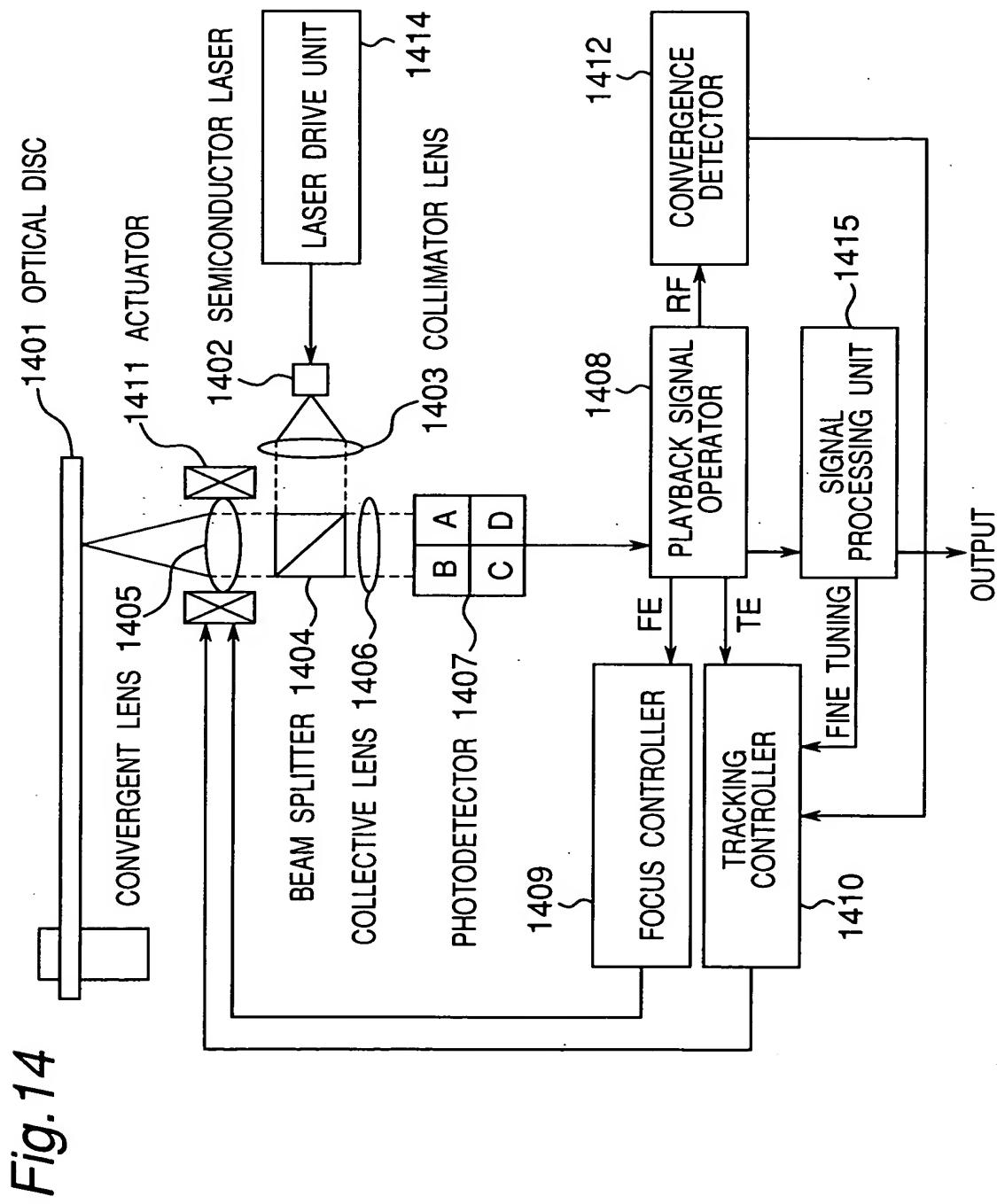


Fig. 15

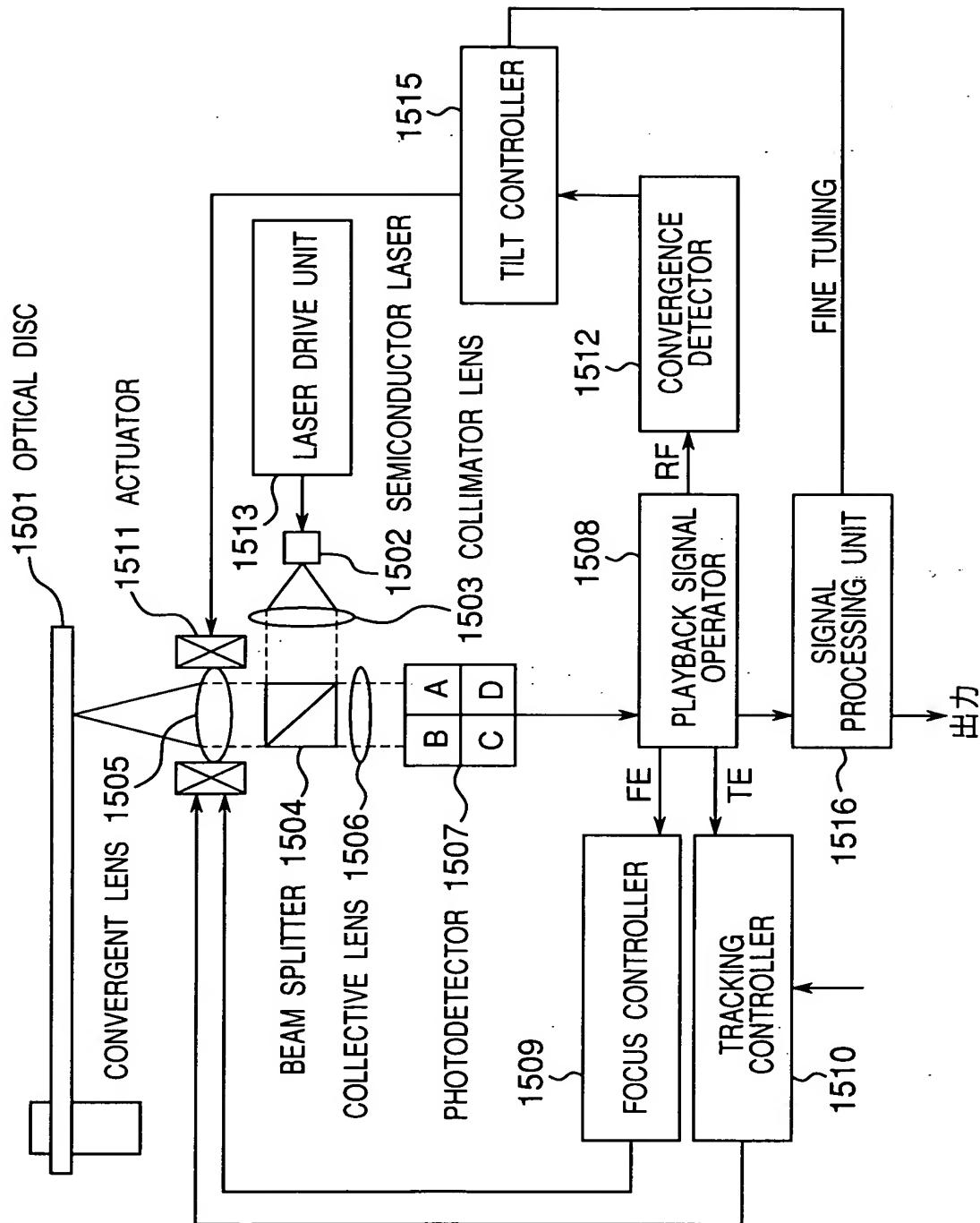


Fig. 16A

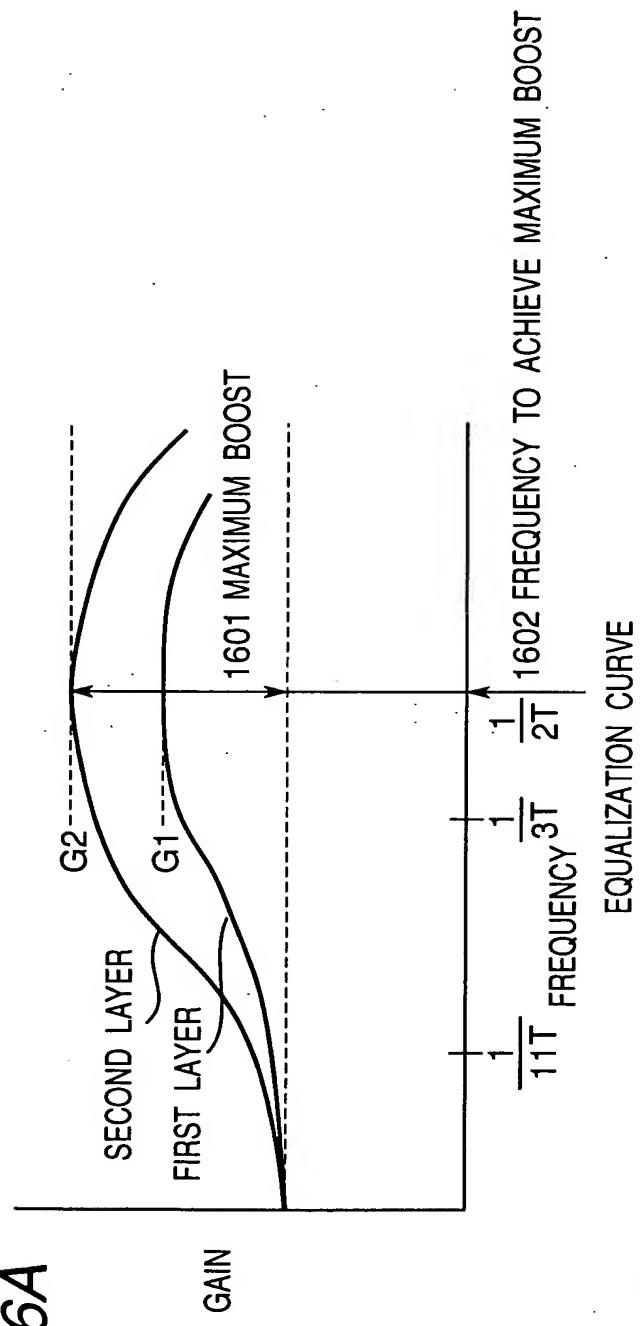
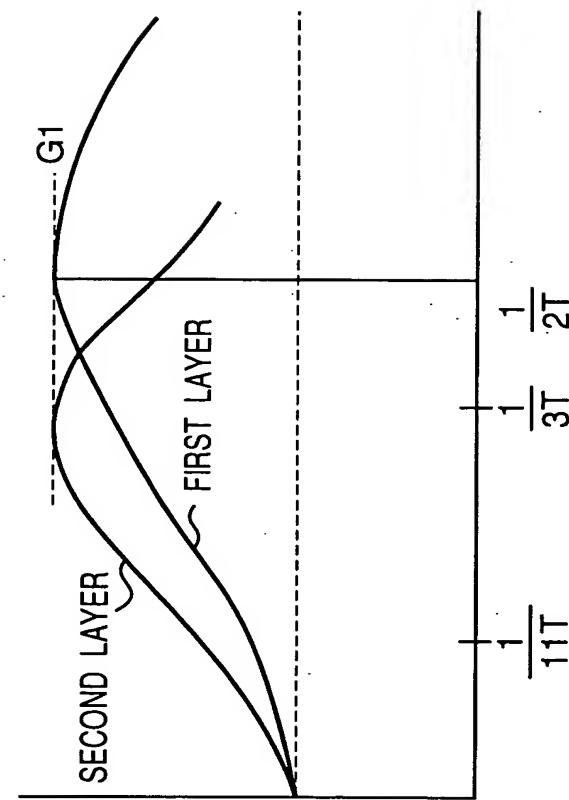


Fig. 16B



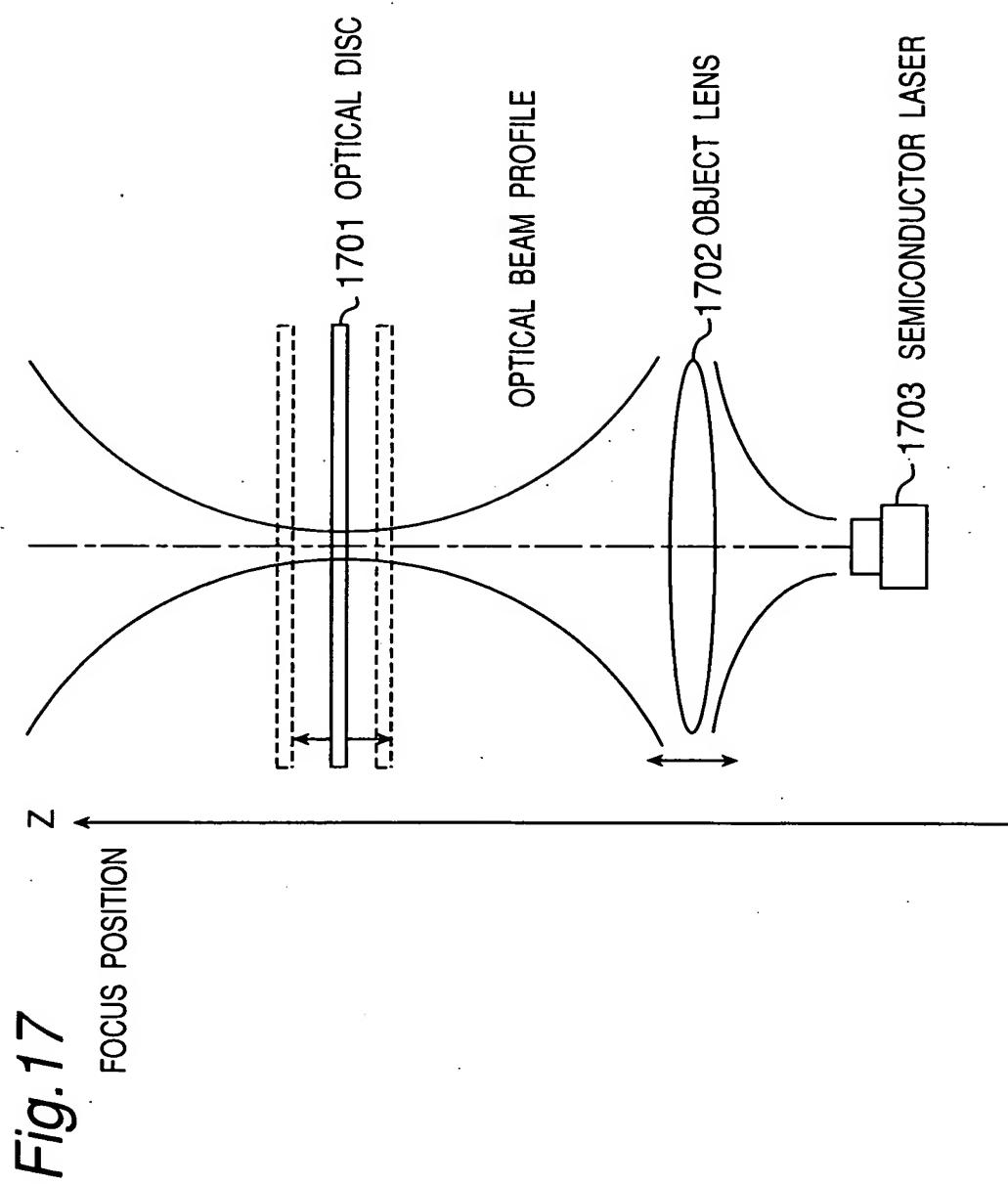
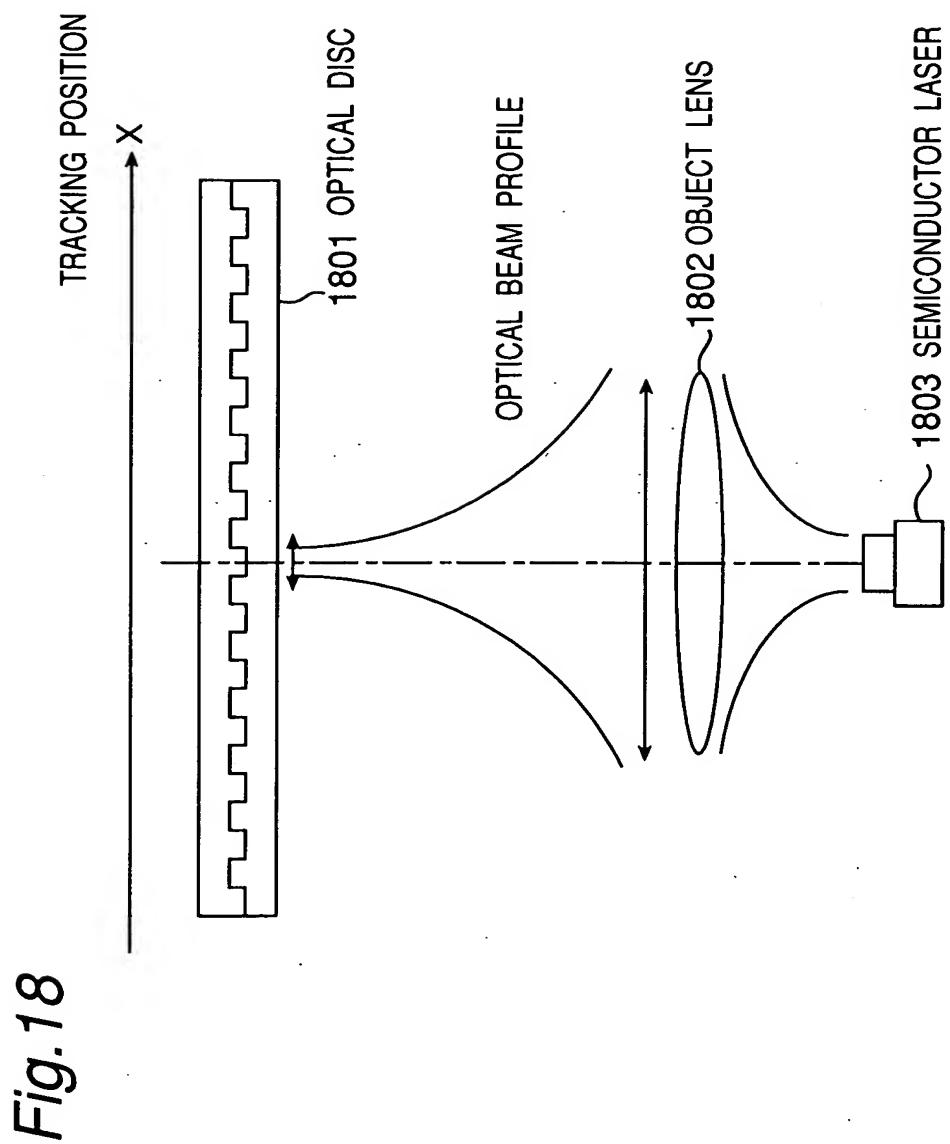
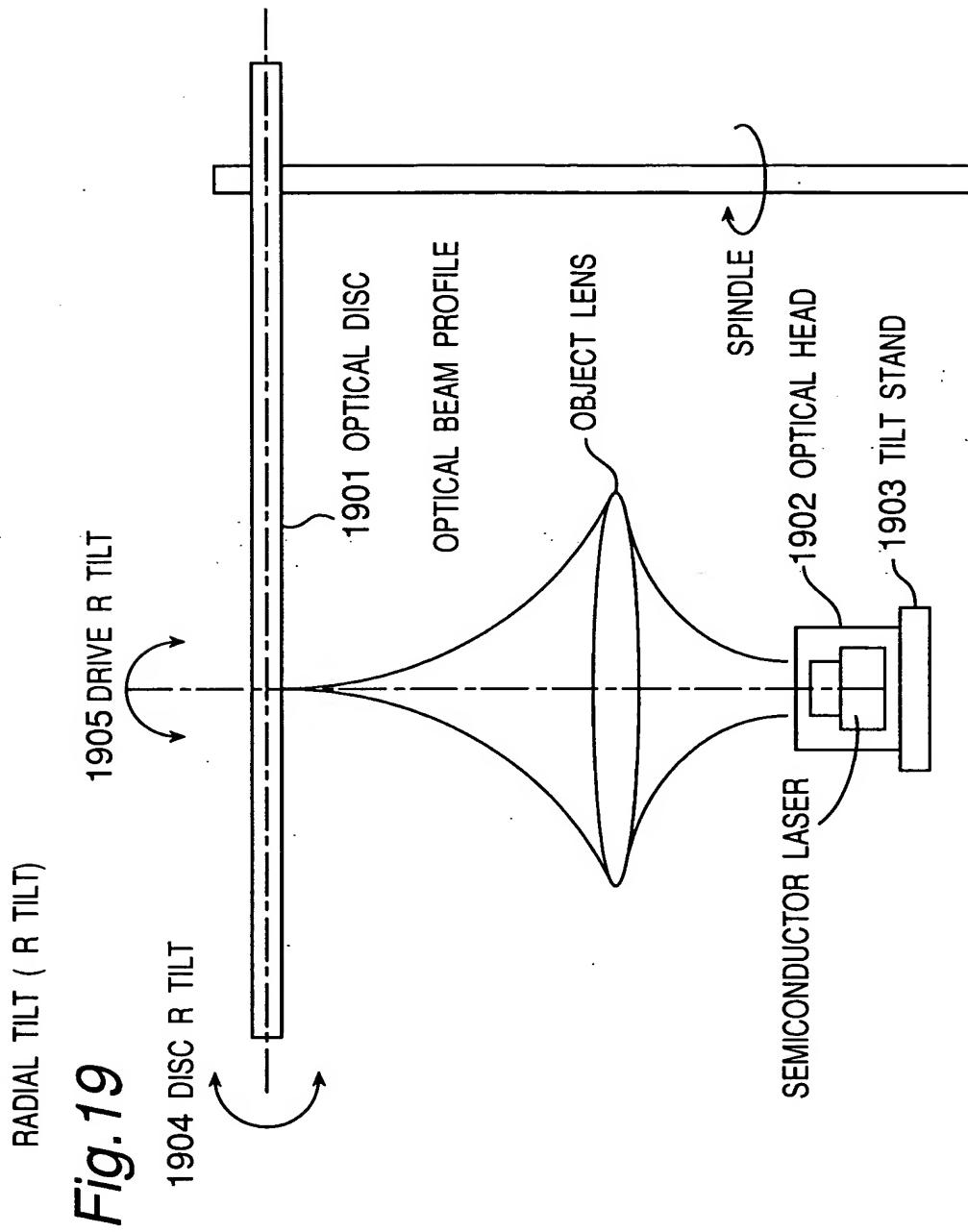


Fig. 17





TANGENTIAL TILT

Fig.20

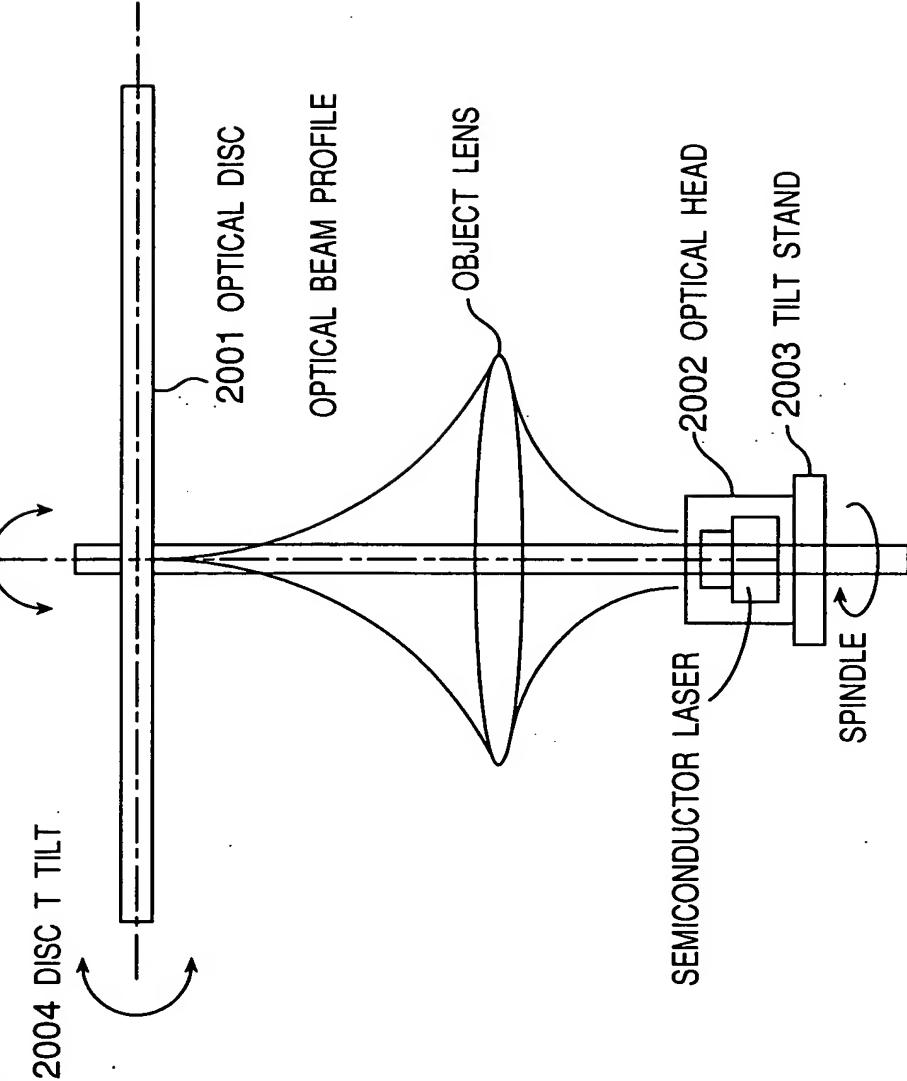


Fig.21

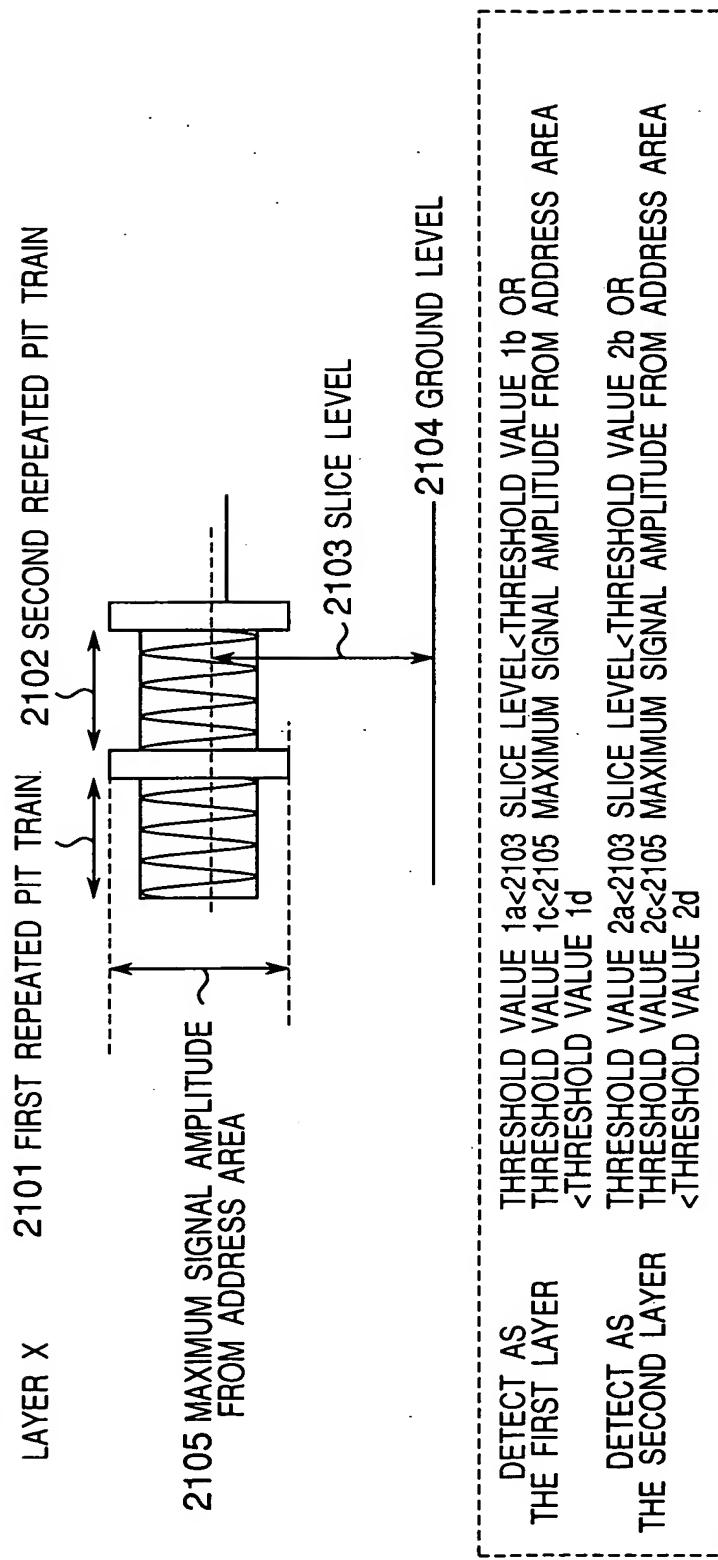


Fig. 22

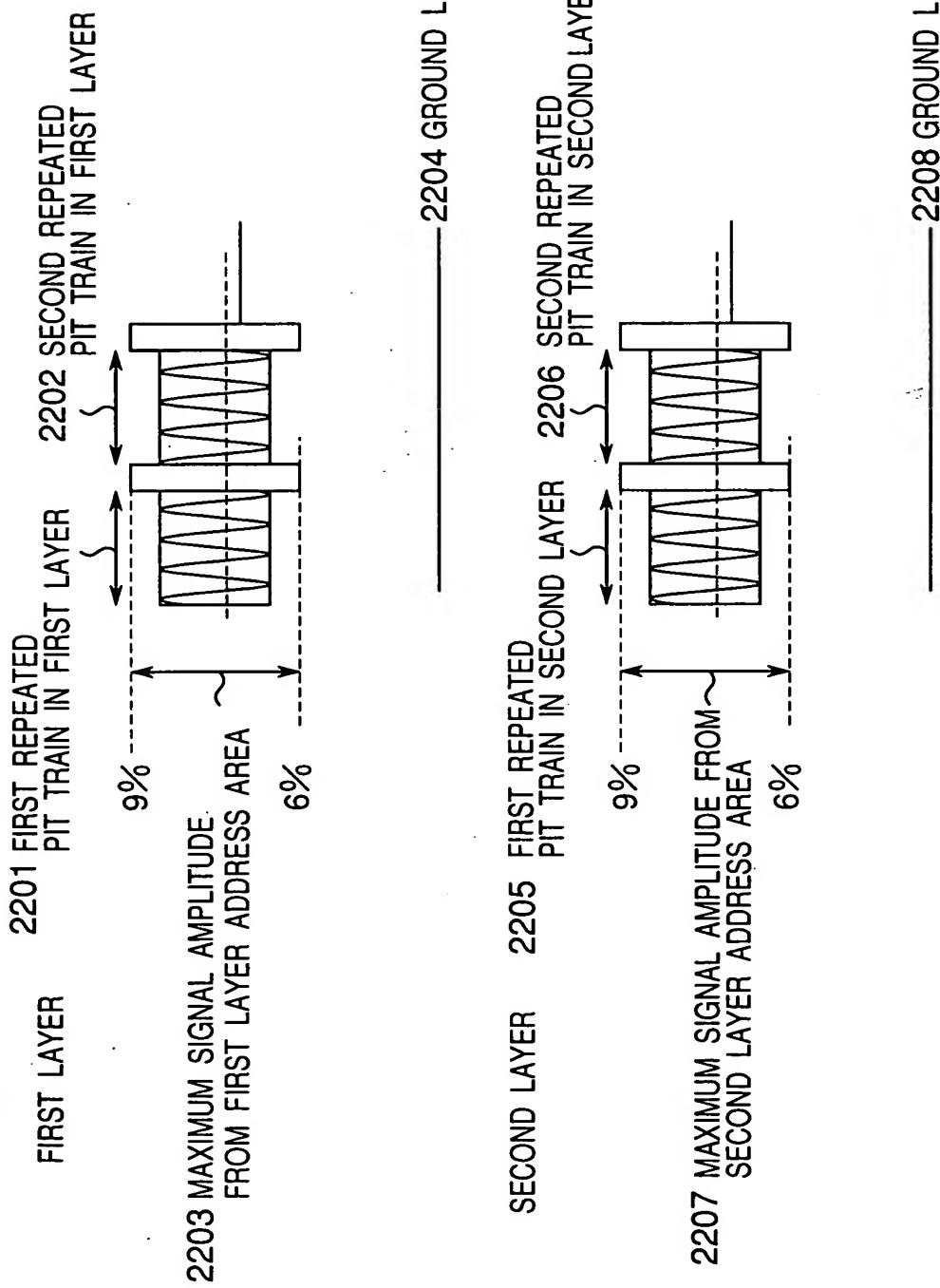


Fig.23

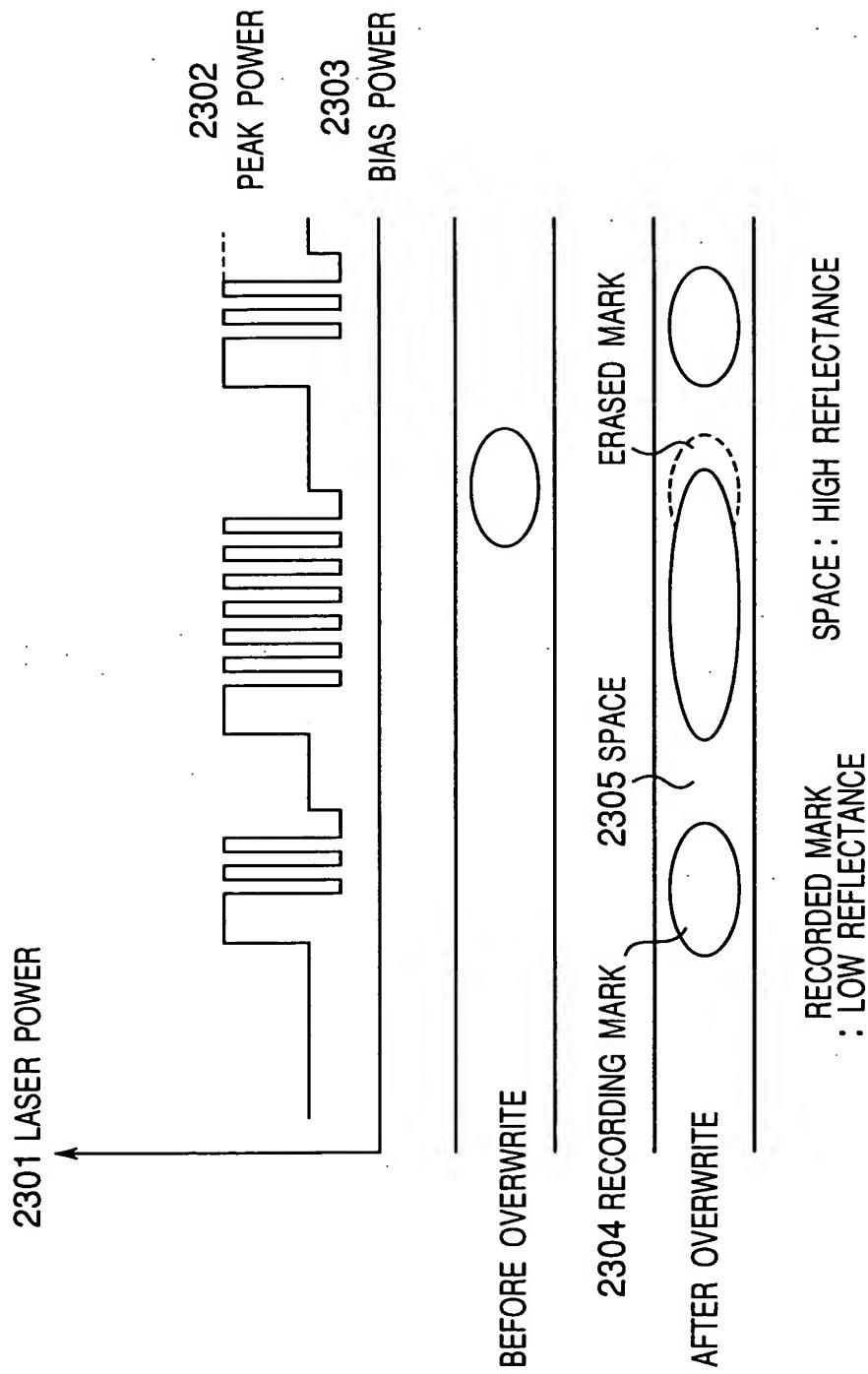


Fig. 24

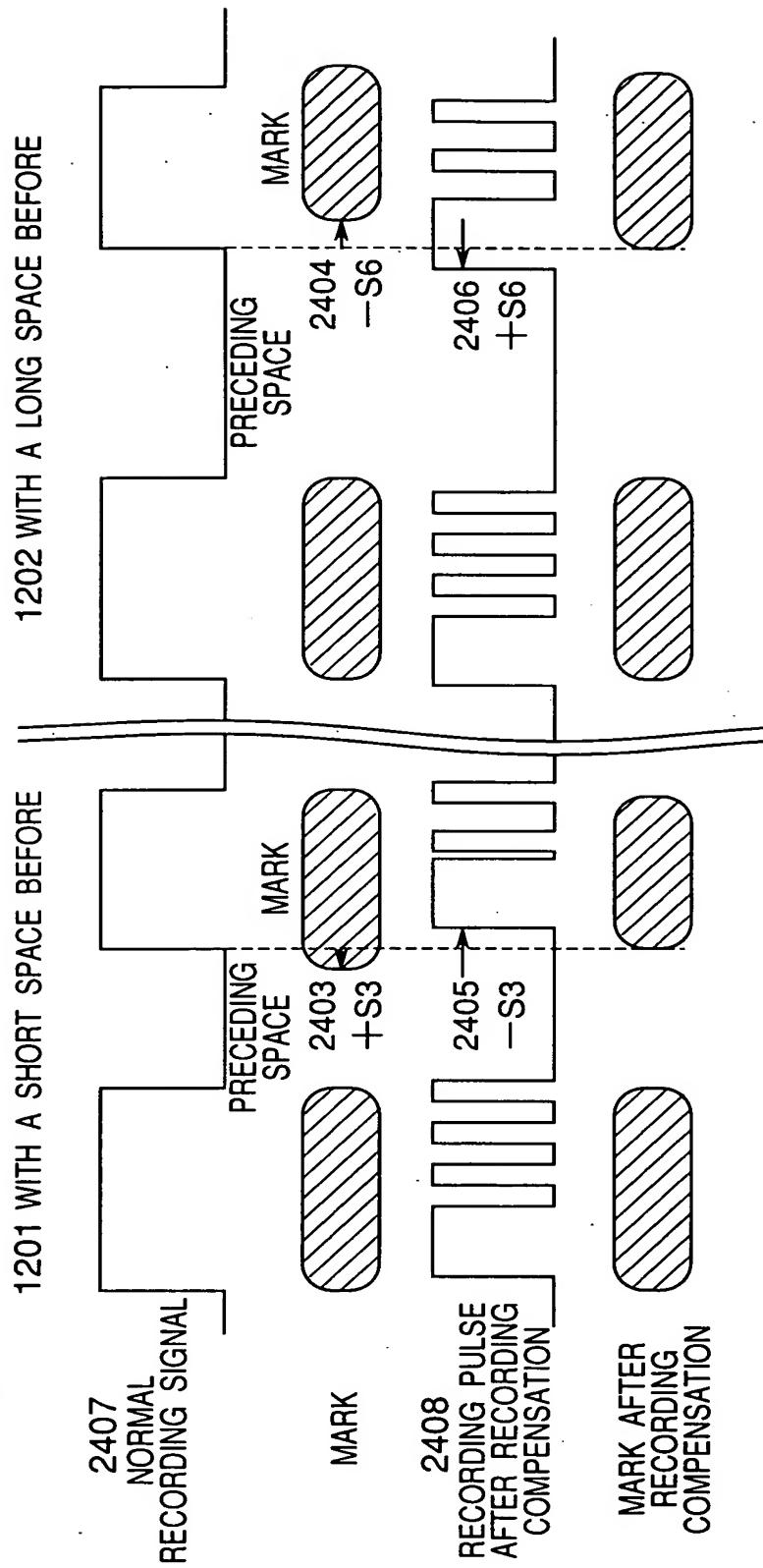
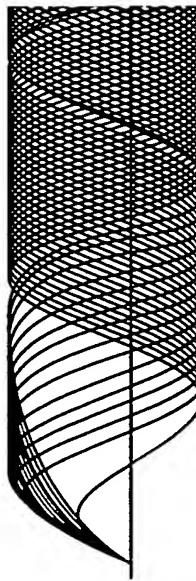
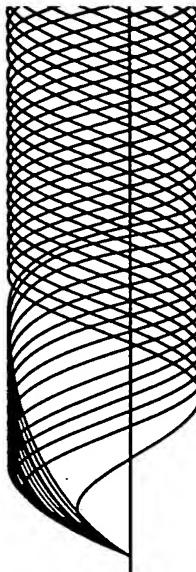


Fig.25

2501 BEFORE ADAPTIVE  
RECORDING COMPENSATION  
JITTER 20%



2502 AFTER ADAPTIVE  
RECORDING COMPENSATION  
JITTER 8.2%



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Fig.26

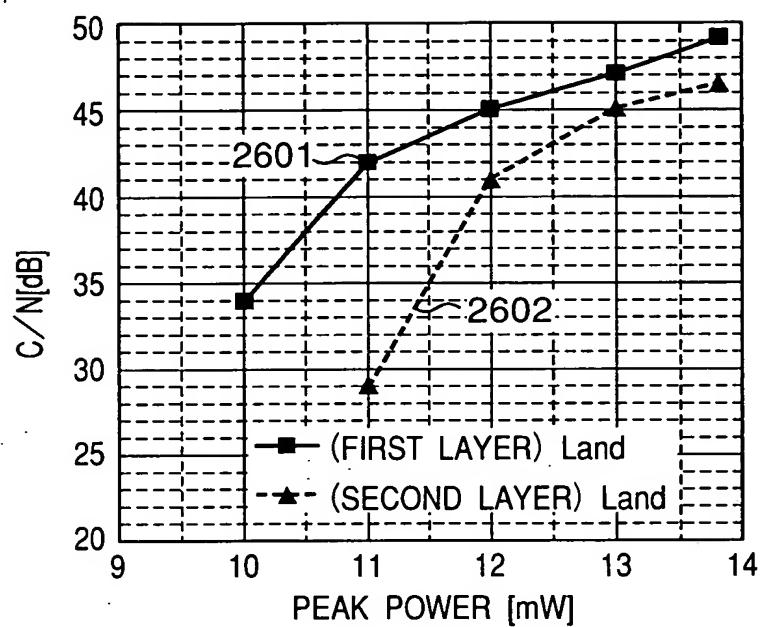


Fig.27

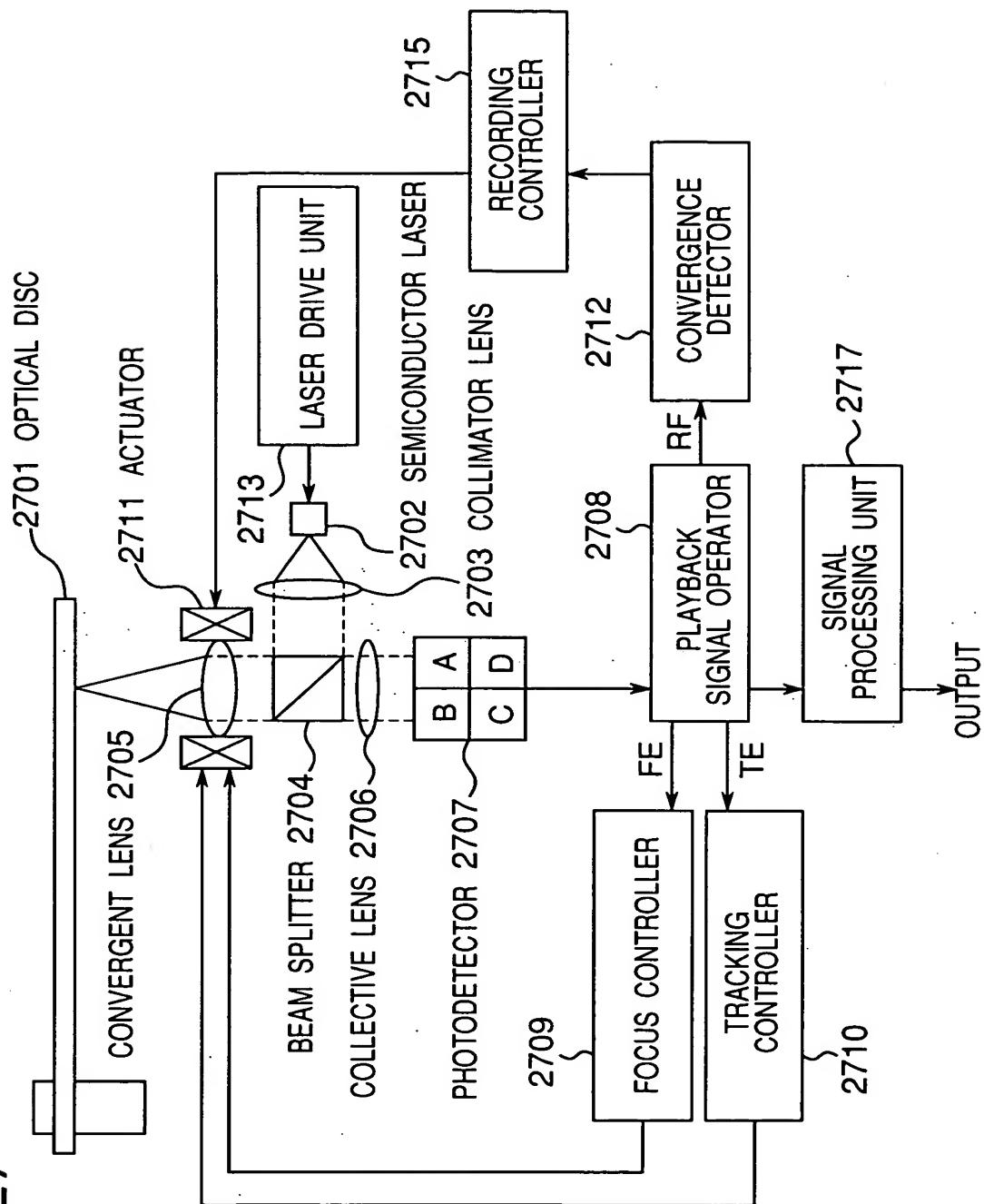
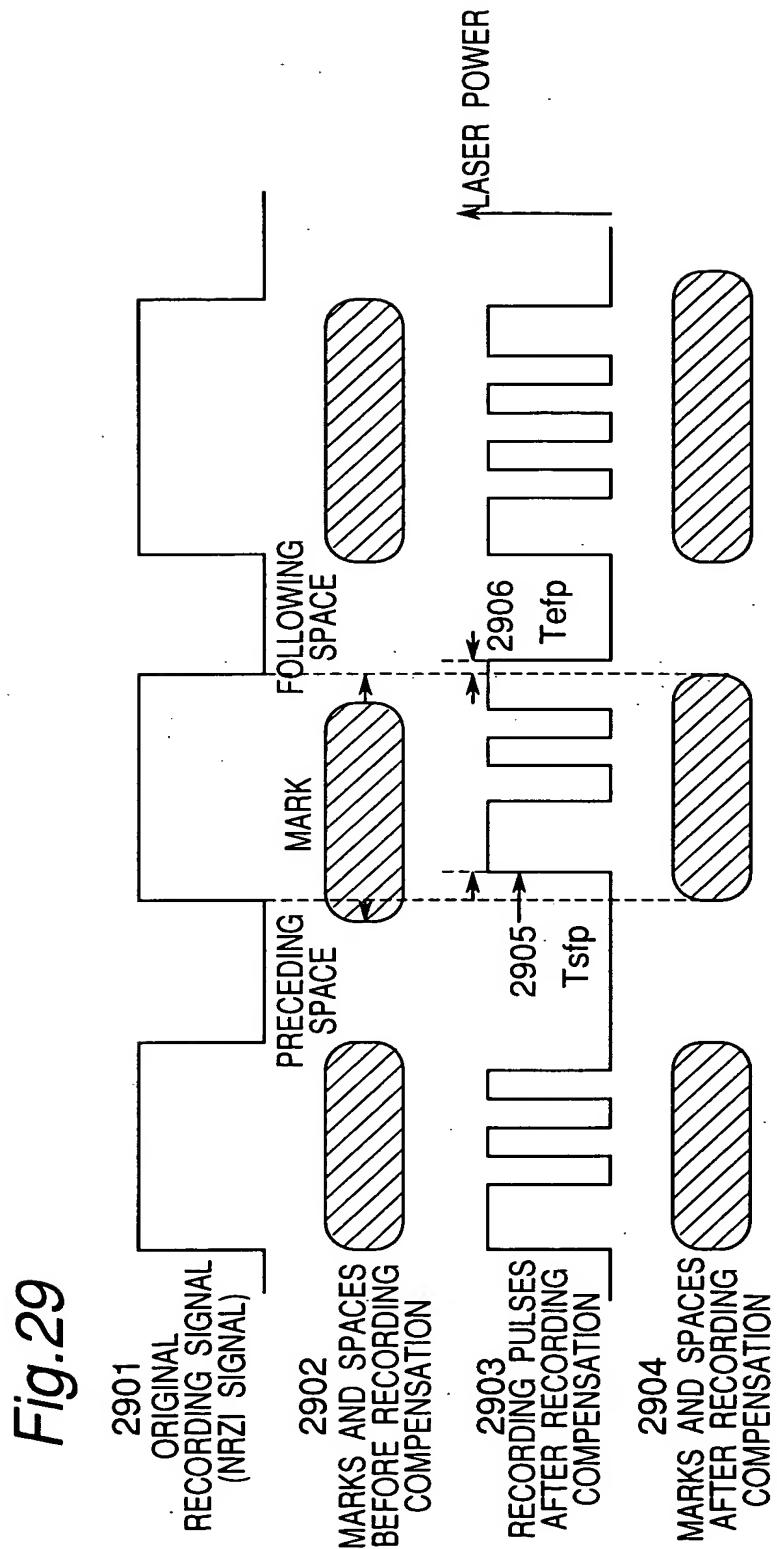


Fig. 28

2801 FIRST PULSE POSITION		2802 LAST PULSE POSITION		RECORDING MARK LENGTH	
LENGTH OF PRECEDING SPACE	T <sub>sf</sub>	3T	4T	5T	>5T
3T	a	b	c	d	
4T	e	f	g	h	
5T	i	j	k	l	
>5T	m	n	o	p	
					LENGTH OF FOLLOWING SPACE
					3T q r s t
					4T u v w x
					5T y z aa ab
					>5T ac ad ae af



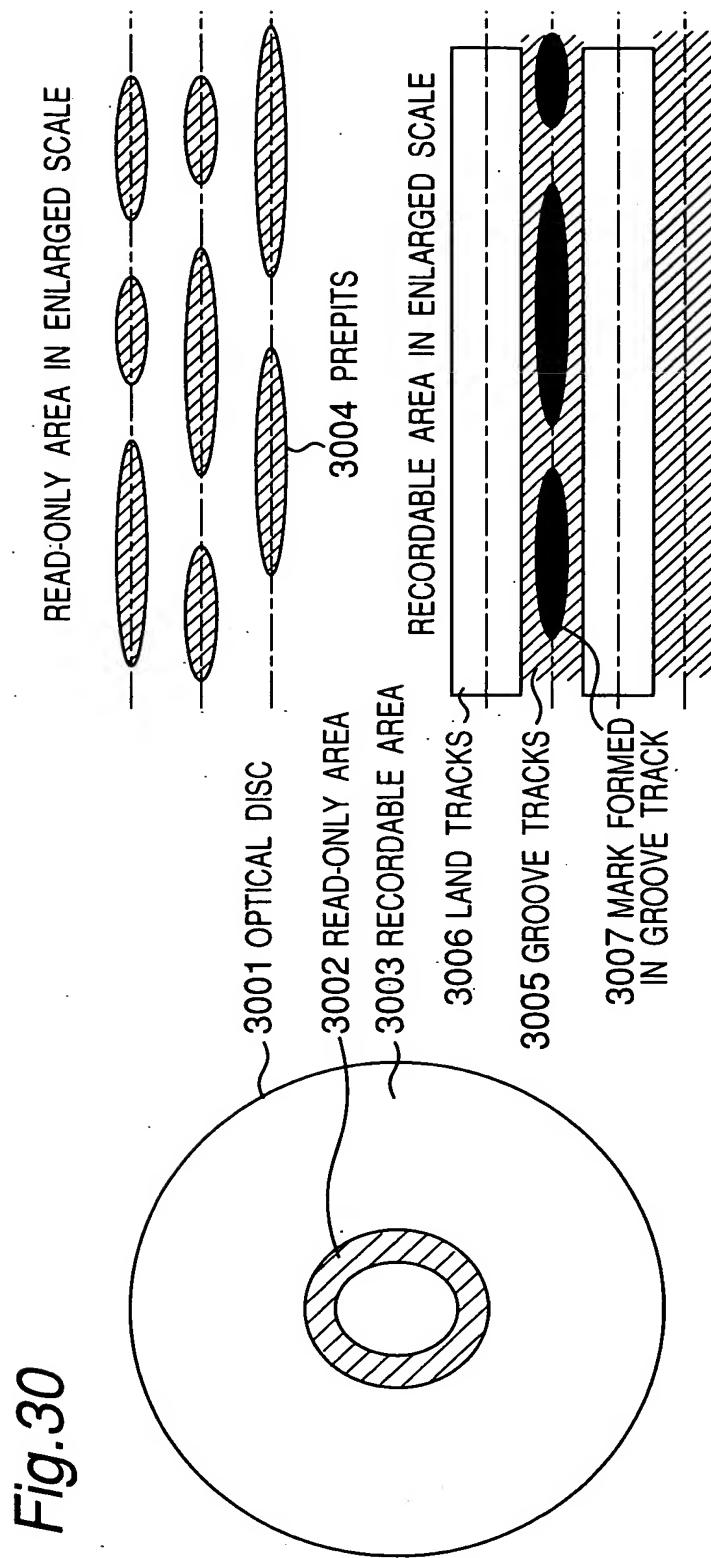


Fig. 30

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Fig.31

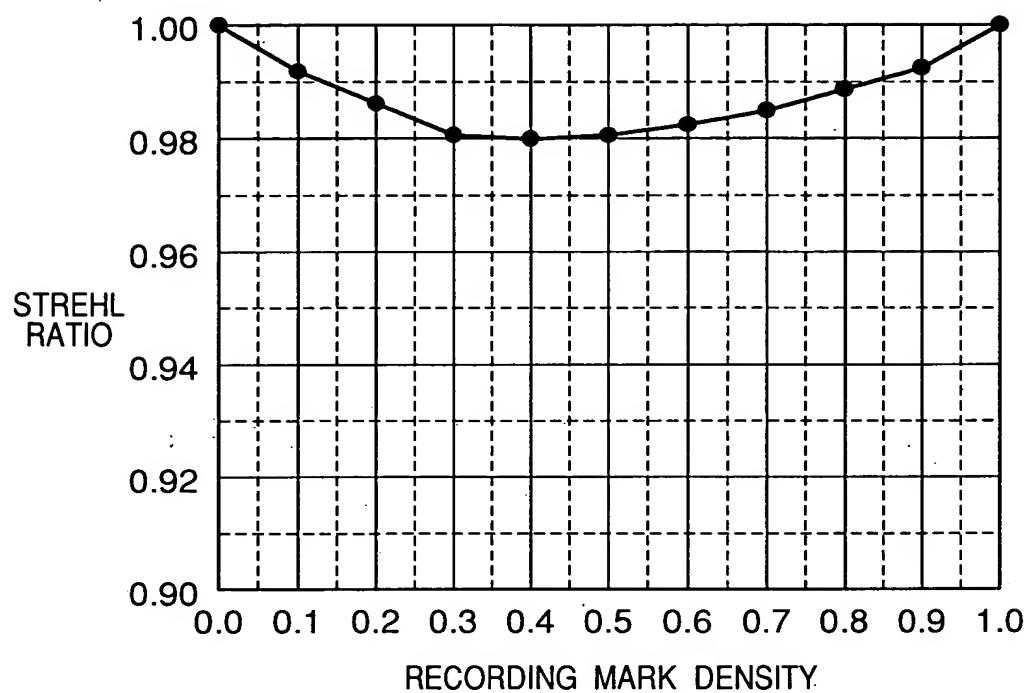


Fig.32

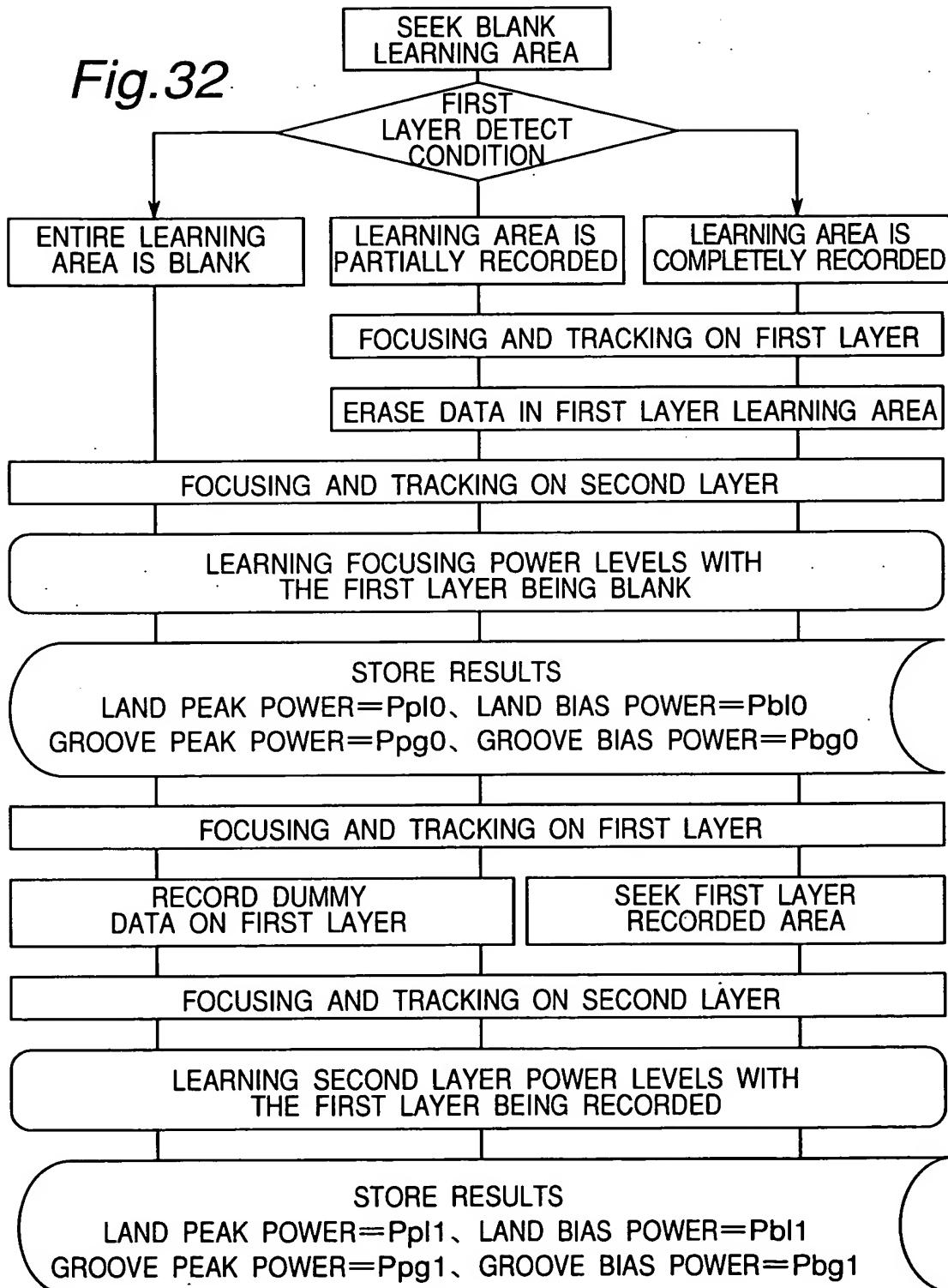


Fig.33

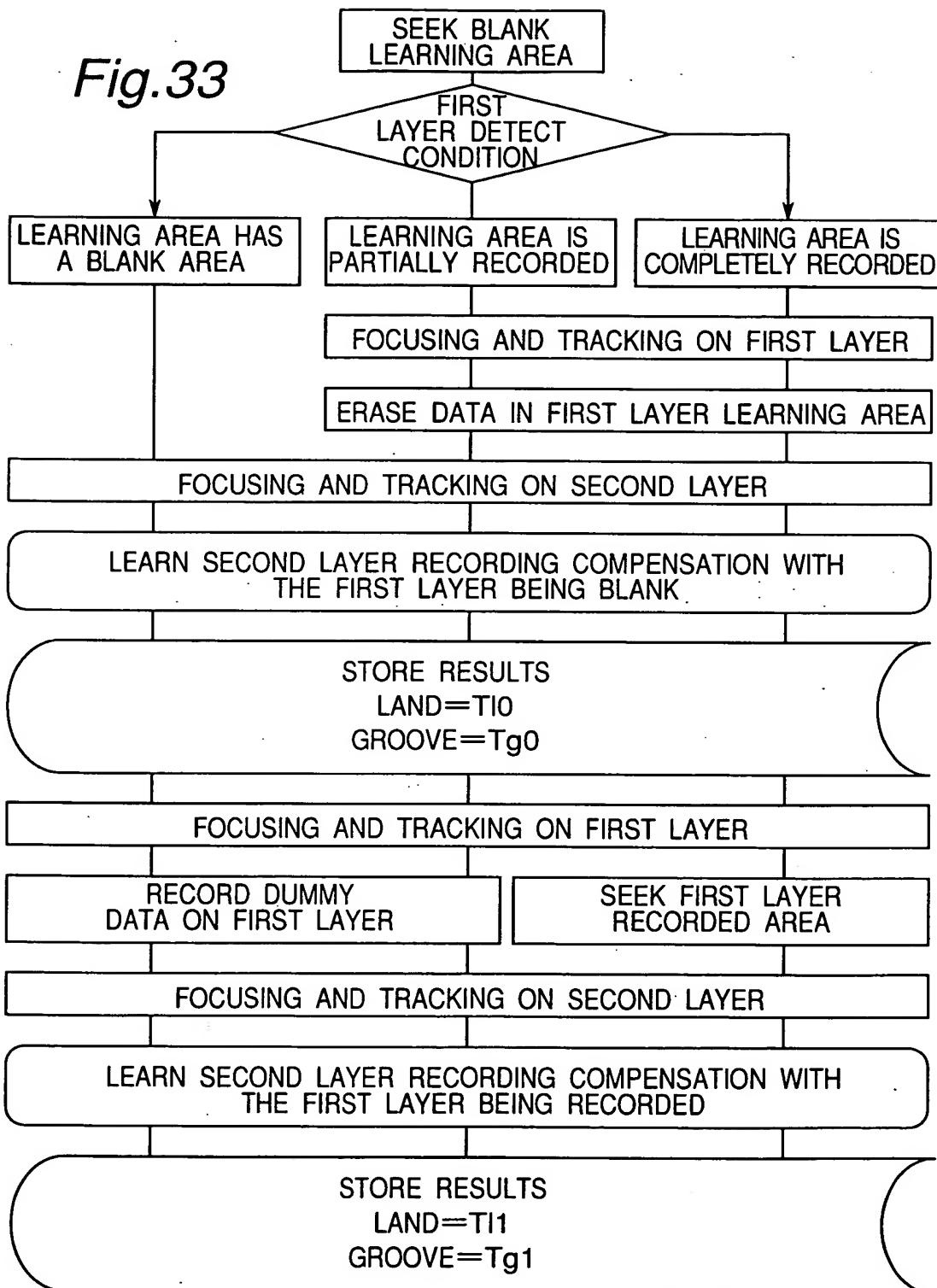


Fig.34

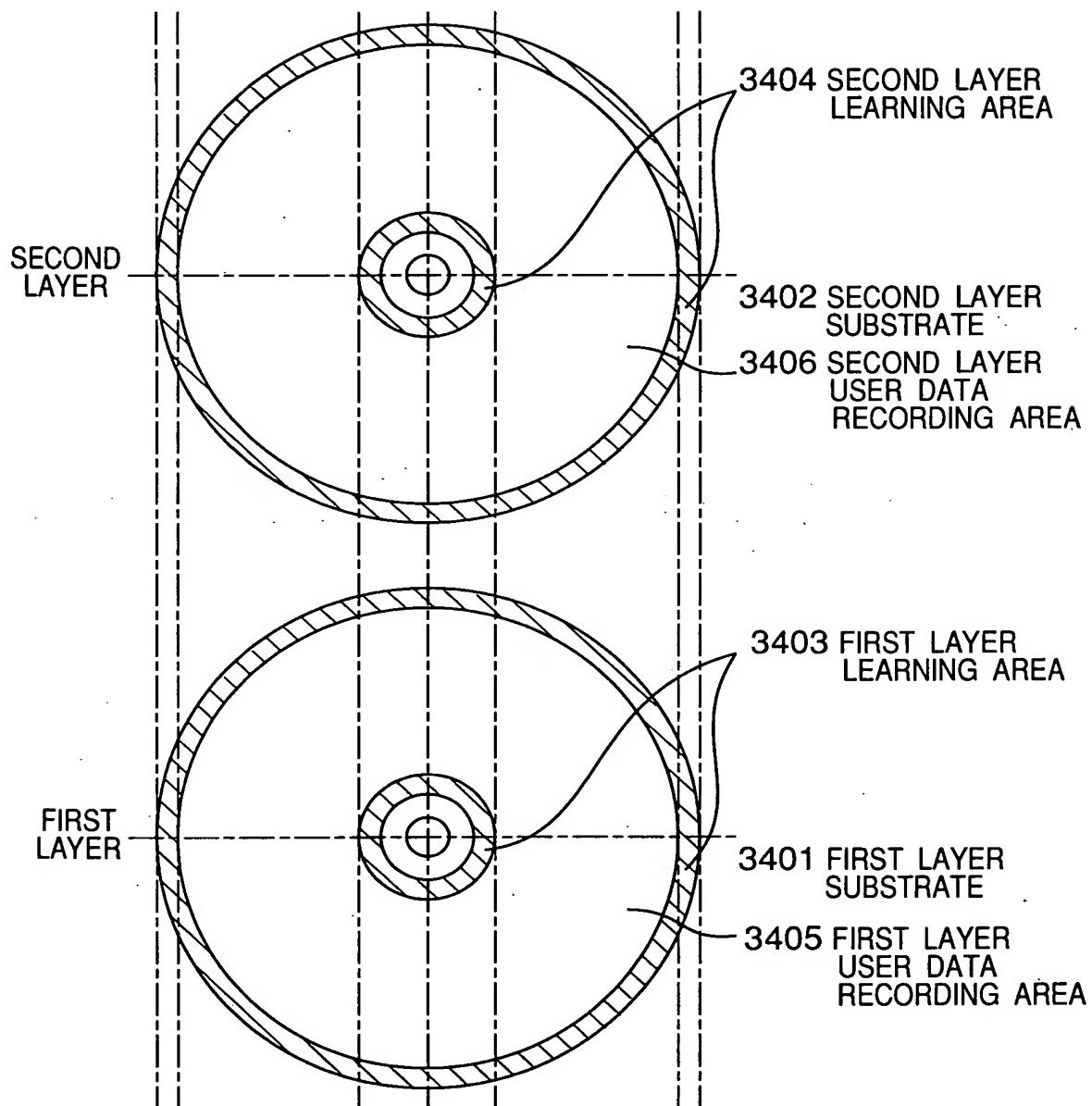


Fig.35

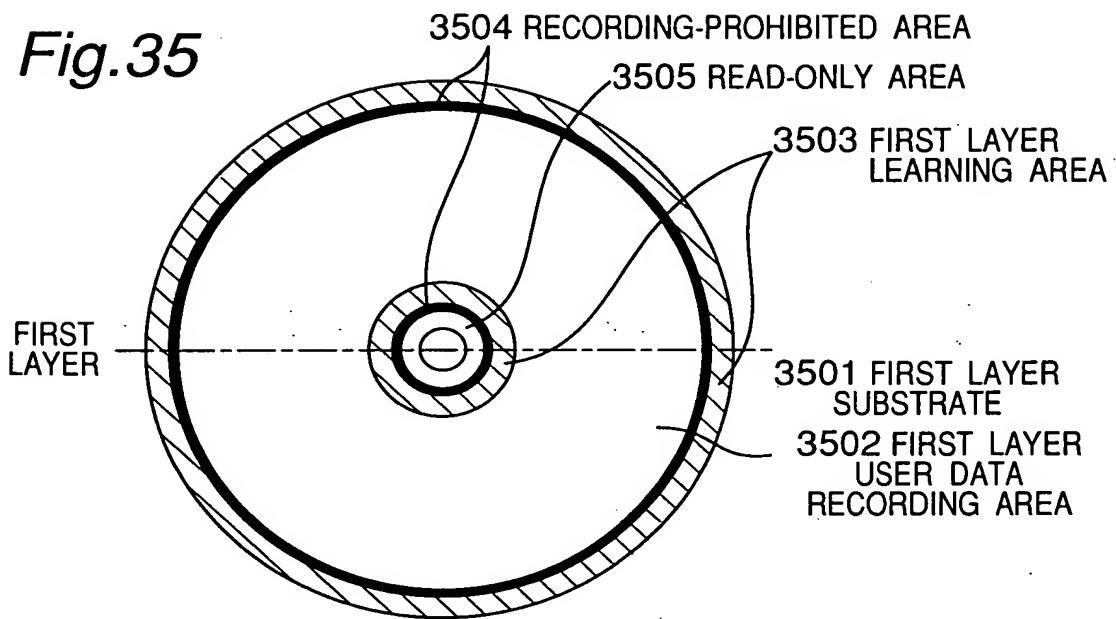


Fig. 36

3605 RECORDING COMPENSATION TABLE T10				3602			
3601				LAST PULSE POSITION BEFORE RECORDING FIRST LAYER			
FIRST PULSE POSITION BEFORE RECORDING FIRST LAYER				RECORDING MARK LENGTH			
Tsp	3T	4T	5T	>5T	Telp	3T	4T
LENGTH OF PRECEDING SPACE	3T	A1 B1 C1 D1	E1 F1 G1 H1	I1 J1 K1 L1	M1 N1 O1 P1	3T Q1 R1 S1 T1	3T Q1 R1 S1 T1
	4T					4T U1 V1 W1 X1	4T U1 V1 W1 X1
	5T					5T Y1 Z1 Aa1 Ab1	5T Y1 Z1 Aa1 Ab1
	>5T					>5T Ac1 Ad1 Ae1 Af1	>5T Ac1 Ad1 Ae1 Af1

3606 RECORDING COMPENSATION TABLE T11				3604			
3603				LAST PULSE POSITION BEFORE RECORDING FIRST LAYER			
FIRST PULSE POSITION BEFORE RECORDING FIRST LAYER				RECORDING MARK LENGTH			
Tsp	3T	4T	5T	>5T	Telp	3T Q2 R2 S2 T2	3T Q2 R2 S2 T2
LENGTH OF PRECEDING SPACE	3T	A2 B2 C2 D2	E2 F2 G2 H2	I2 J2 K2 L2	M2 N2 O2 P2	4T U2 V2 W2 X2	4T U2 V2 W2 X2
	4T					5T Y2 Z2 Aa2 Ab2	5T Y2 Z2 Aa2 Ab2
	5T					>5T Ac2 Ad2 Ae2 Af2	>5T Ac2 Ad2 Ae2 Af2
	>5T						